

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Price Chopper Property 2107 South 4th Street Leavenworth, Leavenworth County, Kansas



Prepared For: Associated Wholesale Grocers Kansas City, Kansas Not Approved or Reviewed by KDHE

ACCEPTED INTO

Prepared By: Environmental Works, Inc. Kansas City, Missouri

EWI Project # 9068

September 09, 2019

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1.0 EXECUTIVE SUMMARY

Environmental Works, Inc. (EWI) was retained by Associated Wholesale Grocers on July 19, 2019 to perform a Phase I Environmental Site Assessment (ESA) of the Price Chopper Property located at 2107 South 4th Street in Leavenworth, Leavenworth County, Kansas (hereinafter referred to as "subject property" or "Site"). This report may be relied upon/used by Associated Wholesale Grocers and Super Market Developers, Inc. The Phase I ESA was conducted in accordance with the American Society for Testing Materials International (ASTM) E 1527-13 Standard. The Vapor Encroachment Screening practices were conducted in accordance with ASTM E 2600-15. The purpose of the assessment is to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental liabilities associated with the subject property.

The summary presented below is general in nature and should not be considered apart from the entire text of the report, with all the qualifications and considerations mentioned therein. Details of our evaluation are discussed throughout and in the appendices of this report.

The subject property is 4.0 acres of commercial land located in an area of commercial and residential development. The Site is developed with an approximately 50,000 square foot (ft²) commercial structure developed in approximately 1991 and currently occupied by a grocery store, Price Chopper, which includes a barber shop, pharmacy, bakery, florist, and deli. A vacant tenant space is present on the southwest corner. The remaining areas of the Site are improved with asphalt-paved parking lots and associated landscaping. The subject property is owned by Four D Company LLC.

Historical Records Review Summary

According to historical documentation, the subject property was developed with various structures, likely residential, with railroad tracks intersecting the Site from north to south as early as 1910. The first available aerial photograph in 1947 indicates the Site was developed with various residential structures, railroad tracks, and Fivemile Creek (in the northeast corner). By 1966, the Site remains the same except for a portion of the east adjoining salvage yard present on the east portion of the Site. Exterior material storage associated with the north adjoining property is also present on the north portion of the Site.

The northeast corner of the Site was cleared for development and improved with storage trailers by 1970. In addition, it appears that Fivemile Creek was redirected to the east during this time. By 1975, the northeast corner was developed with a paved lot and vehicle storage associated with adjoining properties. The remaining area of the Site consisted of residential and commercial structures along the west portion (including a furniture store in 1989) and railroad tracks/access roads through the central portion of the Site.

Railroad tracks and former structures were demolished by 1991 when the current Price Chopper structure with tenant spaces was developed on the east portion of the Site with paved parking to the

west. Due to limited interviews and historical information, EWI also could not confirm all uses of the Site, including the vacant tenant space located on the southwest corner of the Price Chopper structure.

The adjoining properties have historically consisted of a landfill to the north/northeast prior to 1970, auto salvage adjoining to the east and various automotive repair facilities to the northeast (City of Leavenworth Garage/Leavenworth Service Center) and south across Marion Street.

EWI requested documentation for the Site and surrounding properties from the City of Leavenworth. The City provided a copy of a Phase II Environmental Site Assessment dated December 1989 conducted for the Site prior to construction of the current Price Chopper. The Phase II ESA was performed in response to a previous Phase I ESA dated October 27,1989 which identified potential off-site contaminant sources to the "north, east and southeast". Adjacent properties to the north were identified as Great Western Manufacturing, GNB Batteries and the Leavenworth Service Center (also identified as the City Garage)/former landfill and properties to the east and southeast were identified as auto salvage yards with automotive repair shops to the south. EWI was not provided a copy of the previous Phase I ESA for review.

At the time of the Phase II investigation, two residences, a furniture store and small sheds were located on the subject property. The remaining area consisted of undeveloped land with an unimproved road (Third Street) and railroad line intersecting the Site.

Three (3) discrete shallow soil samples (B-1, B-2 and B-3) were collected from 2 feet below ground surface (bgs) along the east property line and two (2) discrete soil samples (MW-3 and MW-4) were collected from 3 feet bgs near the northeast corner of the Site in order to identify "possible lead and/or petroleum contamination" associated with former underground storage tanks (USTs) on the adjoining Leavenworth Service Center property that previously leaked "an undetermined amount of gasoline" and the adjoining auto salvage yard. Concentrations of lead were detected at approximately 20 parts per million (ppm) in each of the samples which was reportedly within typical background levels for the area. The samples at MW-3 and MW-4 identified total petroleum hydrocarbons (TPH) at concentrations of 140 ppm and 260 ppm respectively.

Six (6) monitoring wells were also installed at the subject property during the Phase II ESA. Three wells were installed along the northern property boundary (MW-1, MW-2 and MW-3), two wells along the eastern property boundary (MW-4 and MW-5) and one well (MW-6) in the southwest corner. No detectable concentrations of benzene, toluene, xylene or total lead were identified in groundwater at MW-1, MW-2, MW-3 or MW-5. No volatile or semi-volatile compounds were detected above 5 parts per billion (ppb) at MW-3, MW-5 or MW-6. Analytical results at MW-4 (along the northeast portion of the Site) identified elevated concentrations of metals in groundwater that were above National Drinking Water Standards for the time. In addition, a concentration of 18 ppb was detected for an unidentified semi-volatile compound in groundwater at MW-4. According to the Phase II narrative, the groundwater impacts at MW-4 are potentially attributed to the former landfill and/or auto salvage facility to the east.

Based on a review of results from the Phase II ESA, petroleum impacts were detected in shallow soil and concentrations of metals and semi-volatile compounds were detected in groundwater along the northeast portion of the Site. These impacts were potentially attributed to nearby industrial uses including the former landfill, auto salvage and Leavenworth Service Center (also identified as the City Garage).

A Subsurface Exploration Report was also conducted for the proposed Price Chopper at Fourth & Marion Streets in October 1989. Miscellaneous rubble fill including gravel, brick, concrete, wood, metal and cinders were identified in borings advanced in the area of the proposed Price Chopper (north/northeast portion of the Site).

Regulated Sites Summary

The Site was not identified in the regulatory database searched by Environmental Data Resources, Inc. (EDR). The following facilities were identified within the approximate minimum search distance with potential for impact to the subject property:

A former landfill (City of Leavenworth Old City Landfill, City of Leavenworth 2nd & Limit Dump) was identified in the CITY DUMPS and SOLID WASTE FACILITY (SWF) databases and historically located north/northeast and cross-gradient to down-gradient of the Site. EWI interviewed Mr. Mike Gordon and Mr. Mike Hooper from the Public Works Department at the City of Leavenworth regarding their knowledge of the former landfill. Mr. Gordon and Mr. Hooper stated that to their knowledge the landfill was previously located north/northeast of the Site and was closed by approximately 1970 when the City Garage was developed in its place. Mr. Gordon and Mr. Hooper could not recall any sampling activities or investigation conducted at the landfill; although they could recall evidence of waste observed during construction activities onsite and the surrounding area. EWI submitted a records request to Kansas Department of Health and Environment (KDHE) for additional information on the former adjoining landfill. KDHE provided an inspection form for the landfill dated August 15, 2018. According to the inspection, the former landfill was in acceptable condition with no visible wastes. No violations were found. No information was available regarding sampling or investigation of the former landfill. Based on close proximity and the landfill's operation prior to environmental regulation, the facility is considered a REC and VEC to the Site.

Leavenworth, City of, Garage/City Garage/Leavenworth Municipal Garage Area was identified in the Superfund Enterprise Management System - Archive (SEMS-ARCHIVE), leaking underground storage tank (LUST), UST, Resource Conservation Recovery Act - Non Generator/No Longer Listed (RCRA-NONGEN/NLR) databases and was previously located northeast and cross-gradient to down-gradient of the Site at South 3rd and Marion Street. EWI requested documentation from KDHE and the City of Leavenworth regarding former operations and investigations at the facility. A LUST incident was reported for the facility in February 1991 in response to the removal of a 6,000-gallon fuel oil UST. A LUST incident was also reported in November 1992 when a 300-gallon waste oil UST and

associated lines were removed from the facility. KDHE provided Buried Tank Leak Assessments (BTLAs) for both incidents and no leaking or contamination surrounding the USTs were reported; however, no sampling was conducted to confirm or deny impact to the subsurface. These incidents are closed. No information was provided regarding location of the former USTs. The facility has been listed as a non-generator since 2003 but was historically a small-quantity generator (SQG) in 1987 for benzene, tetrachloroethylene, spent non-halogenated solvents and ignitable waste. EWI reviewed a compliance inspection conducted at the facility in September 1991. The inspection identified employees disposing of paint waste and paint contaminated thinner by dumping the material on the ground north of the sign shop. Visibly contaminated soil was observed in this area. Evidence of waste paint and paint thinner was also observed being dumped into a storm drain near the sign shop which discharges to the east adjoining Fivemile Creek. In December 1991, soil samples were collected from 6 inches bgs and 18-24 inches bqs from six locations north of the sign shop. Based on a sampling map provided by KDHE, EWI determined that the sign shop was located approximately 135 feet northeast of the Site. The samples were composited into two samples (one 6 inch and one 18-24 inch sample) and analyzed for RCRA 8 metals, toxicity characteristic leaching procedure (TCLP) Organic Compounds and volatile organic compounds (VOCs). 1,1,2,2-tetrachloroethane, chlorobenzene and xylenes were detected at 19,000 parts per billion (ppb), 12 ppb and 28 ppb respectively in the composite sample collected from 6 inches bgs. No detections were identified in the sample from 18-24 inches bgs. KDHE determined that although contamination was present at the facility, it did not meet the definition of hazardous waste; therefore, areas of visible contamination was recommended to be removed and disposed. As of April 1992, approximately 60 cubic yards of contaminated soil was reportedly removed from the adjoining property and disposed of at the Leavenworth Landfill. No confirmation sampling appears to have been conducted following the soil removal from the facility. In addition, groundwater was not evaluated during the assessment. An additional complaint was issued for the facility in 1991 which noted oil contamination in the area of the vehicle maintenance garage. Based on a review of aerial photographs, the vehicle maintenance garage likely adjoined the Site to the northeast from at least 1970 to 1991. Vehicle storage is also depicted on the east portion of the Site in the 1985 aerial. Based on close proximity and a history of non-compliance, the City Garage formerly located on the northeast of the Site is considered a REC and VEC.

EWI also reviewed the following documentation for the Leavenworth Animal Control facility located northeast of the Site:

The City of Leavenworth provided a Field Report dated July 8, 2013 associated with the construction of the Leavenworth Animal Control (developed on the previous Leavenworth City Garage property). The report indicates that "tanks" were removed from the facility on July 2, 2013. Two of the tanks were reportedly "relocated to the northeast of the site", still on the City of Leavenworth's property. During this relocation, tank contents were reportedly spilled on the ground surface. The Field Report includes a photograph (on Page 4) that identifies "spillage" from the tank removal. The spillage appears to be northeast of the Price Chopper structure located on the subject property. A Field Report dated August 14, 2013 indicates that the tank spillage had not been cleaned up to date. In addition, tank spillage had

previously been observed on standing water "north of the Price Chopper parking lot". The tanks removed during the construction of the Leavenworth Animal Control are potentially attributed to the former City Garage.

Great Western Manufacturing Co. adjoins the Site to the north and is located cross-gradient of the Site at 2017 South 4th Street and was listed as a SQG in 1993, 2000, 2003 and from 2005-2018. The facility was also listed as a large quantity generator (LQG) in 1994. The facility generates ignitable waste, benzene, methyl ethyl ketone, tetrachloroethylene, trichlorethylene and spent chromium, non-halogenated solvents. No violations have been reported. According to documentation provided, the facility manufacturers sieves and sifters used in the flour industry. KDHE provided documentation associated with a Hazardous Waste Compliance Assistance Visit (CAV) in 2012. Various deficiencies were cited during the visit; however, these do not appear to have impact on the subject property. EWI also reviewed historical inspections dated 1987 which indicate that waste paint and spent paint booth filters were historically being disposed of in the dumpster. At the time of the inspection, Safety-Kleen was disposing of waste solvent associated with onsite parts washing; however, correspondence states that the facility previously dumped waste solvent on the ground or in the trash. The timeframe associated with the practice of improper solvent dumping is unknown. Based on the close proximity of the facility and history of solvent dumping, the facility has potential to impact the subject property and is considered a REC and VEC.

Casey's General Store - #2826, located 100 feet west and up-gradient of the Site at 2100 South 4th Street currently utilizes a 20,000-gallon gasoline UST, a 12,000-gallon gasoline UST and a 8,000-gallon diesel UST installed in 2009. EWI submitted a request for additional information from KDHE and received documentation including registration and installation of the USTs. In addition, EWI reviewed correspondence dated June 29, 2010, August 3, 2010, July 12, 2011 in which KDHE noted that they had not received satisfactory inventory control records and/or monthly monitoring reports for release detection. Additional correspondence dated May 13, 2014, June 25, 2014, March 21, 2018, March 19, 2019, April 29, 2019 and May 20, 2019 indicate missing function tests for onsite USTs. EWI also reviewed UST inspections conducted by KDHE on November 4, 2011, March 28, 2013, April 18, 2017 and April 1, 2019 which indicated excess fluid in spill bucket. No other violations noted except for minor repairs. Although the facility has a history of missing compliance records, no releases or significant violations have been identified. Based on lack of identified releases, the facility does not pose a REC to the Site.

Site Reconnaissance Summary

The Site is currently occupied by a Price Chopper grocery store.

EWI observed three (3) underground grease traps present in the kitchen areas at the Site. According to Site Manager, Mr. Rory Knight, these grease traps are maintained by a third party on a regular basis. No issues were noted with the grease traps.

EWI observed a hydraulic box compactor in the back storage/stock area in the southeast corner of the structure. According to Mr. Knight, the machinery is maintained by a third party and he was not aware of any leaks or issues with the compactor. EWI also observed a trash compactor on the north side of the structure with oil staining on the equipment and asphalt beneath the compactor. The staining appeared to be minimal and no cracks in the asphalt or drains were observed in the area; on this basis, the staining is considered a de minimis condition.

EWI observed pole-mounted transformers throughout the Site. Three (3) pole-mounted transformers were observed on the northern property boundary, one (1) pole-mounted transformer was observed in the southwest corner of the Site, and four (4) pole-mounted transformers were observed south of the Price Chopper structure. No decals were noted indicating PCB contents. No evidence of release was identified on the casings or ground beneath. In addition, EWI observed three (3) transformers on a platform east of the structure. EWI observed minor staining on the platform beneath the transformers. No evidence of release was observed on the ground beneath.

A receptacle labeled "used cooking oil" was located in the back storage/stock area in the southeast corner of the structure. According to Mr. Knight, the used cooking oil is picked up by a third party contractor on a regular basis.

During the Site reconnaissance, EWI observed an automotive salvage yard east of the Site. According to historical documentation, the automotive salvage yard, identified in the city directories as Lakes Auto Salvage, has adjoined the Site to the east since as early as 1963. Vehicle storage is also visible onsite in the 1966 and 1985 aerial photographs. Based on close proximity in addition to potential operation onsite, the automotive salvage yard is a REC and VEC to the Site.

Conclusion and Opinions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E 1527-13 of the Price Chopper Property located at 2107 South 4th Street in Leavenworth, Leavenworth County, Kansas (the subject property or Site). The Vapor Encroachment Screening practices were conducted in accordance with ASTM E 2600-15. Any exceptions to, or deletions from, this standard are described in Section 10.0 of this report.

The following RECs and VECs were identified for the subject property during this assessment:

1. An automotive salvage yard, identified in the city directories as Lakes Auto Salvage, has adjoined the Site to the east since as early as 1963. Vehicle storage is also visible onsite in the 1966 and 1985 aerial photographs. Based on the close proximity in addition to potential operation onsite, the automotive salvage yard is considered a REC and VEC to the Site.

2. A former landfill (City of Leavenworth Old City Landfill, City of Leavenworth 2nd & Limit Dump) was previously located north/northeast of the Site and was closed by approximately 1970. No information was available regarding sampling or investigation of the former landfill. Based on close proximity and the landfill's operation prior to environmental regulation, the facility is considered a REC and VEC to the Site.

3. Leavenworth City Garage was previously located northeast of the Site at South 3rd and Marion Street. Various USTs have been removed from the facility with no information regarding location or sampling to confirm or deny impact to the subsurface. In addition, a history of non-compliance has been identified at the facility including visible oil contamination and disposing of paint waste and paint contaminated thinner on the ground and into a storm drain which discharges to the east adjoining Fivemile Creek. Although visibly contaminated soil was reportedly removed and disposed, no confirmation sampling appears to have been conducted following the removal of the contaminated soil. In addition, groundwater was not evaluated during the assessment. The area is currently occupied by Leavenworth Animal Control. A Field Report dated July 8, 2013 provided by the City of Leavenworth indicates that "tanks" were removed from the facility on July 2, 2013. Two of the tanks were reportedly "relocated to the northeast of the site", still on the City of Leavenworth's property. During this relocation, tank contents were reportedly spilled on the ground surface. Tank spillage had previously been observed on standing water "north of the Price Chopper parking lot". The tanks removed during the construction of the Leavenworth Animal Control are potentially attributed to the former City Garage. Based on close proximity and a history of non-compliance, the City Garage poses a REC and VEC to the Site.

4. Great Western Manufacturing Co. adjoins the Site to the north at 2017 South 4th Street. A historical inspection dated 1987 indicates that waste paint and spent paint booth filters were historically being disposed of in the dumpster at the facility. The facility also previously dumped waste solvent on the ground or in the trash. The timeframe associated with the practice of improper solvent dumping is unknown. Based on the close proximity of the facility and history of solvent dumping, the facility has potential to impact the subject property and is considered a REC and VEC.

Based on a review of results from the 1989 Phase II ESA, petroleum impacts were detected in shallow soil and concentrations of metals and semi-volatile compounds were detected in groundwater along the northeast portion of the Site. These impacts were potentially attributed to nearby industrial uses including the former landfill, auto salvage and Leavenworth Service Center (also identified as the City Garage). In our opinion, additional investigation is recommended to evaluate the Site for subsurface impacts as a result of the RECs and VECs identified during this Phase I ESA.

2.0 INTRODUCTION

2.1 Purpose

The purpose of the Phase I ESA is to perform an All Appropriate Inquiries (AAI) investigation of the Site in support of the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) liability ("Landowner Liability Protections," or "LLPs"). The goal of the investigation is to identify recognized environmental conditions (RECs), controlled recognized environmental condition (CRECs), historical recognized environmental conditions (HRECs), vapor encroachment conditions (VECs), and potential environmental liabilities associated with the subject property and its neighboring properties, in accordance with the ASTM E 1527-13, pursuant to AAI.

ASTM E 1527-13 defines a REC as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment." A material threat is "a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment." RECs do not include de minimis conditions, which are defined as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

ASTM E 1527-13 defines a CREC as "a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." Note: For example, if a leaking underground storage tank (LUST) facility has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a CREC. The "control" is represented by the restriction that the property use remains commercial. A condition considered by the environmental professional to be a CREC shall be listed in the findings section of the Phase I ESA report, and as a REC in the conclusions section of the Phase I ESA report. Note: A condition identified as a CREC does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented."

ASTM E 1527-13 defines an HREC as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use

restrictions, activity and use limitations, institutional controls, or engineering controls)." Before calling the past release an HREC, the environmental professional must determine whether the past release is a REC at the time the Phase I ESA is conducted (for example, if there has been a change in regulatory criteria). If the environmental professional considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC."

A VEC is the presence or likely presence of chemical of concern (COC) vapors in the sub-surface of the property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property. Evaluation of the potential presence of COC vapors and determining if a VEC exists on the subject property is necessary to meet the United States Environmental Protection Agency (US EPA) requirements for AAI under CERCLA. EWI conducted a Vapor Encroachment Screening (VES) in general accordance with ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on a Property Involved in Real Estate Transactions.

If a VEC is identified, the environmental professional must determine whether the VEC represents evidence of a REC on the subject property under the context of the ASTM E 1527-13 Phase I ESA Standard Practice. The environmental professional will identify the VEC as a REC where the potential for vapor migration into structures is considered likely, or where the contaminant concentrations in the soil, groundwater, or soil vapors on the subject property are significant and likely to result in enforcement against on-site or off-site responsible parties.

2.2 Scope of Work

This Phase I ESA was conducted consistent with the procedures as provided under Innocent Landowners, Standards for Conducting AAI Rule 40 CFR 312 and in accordance with the ASTM E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, which may be used to comply with the Rule's requirements.

A visual inspection of the subject property was conducted to identify any evidence of historical and current uses that may contribute to environmental risk for the Site. Interviews with local, state, and federal agencies are included in this report. Photographic documentation of the Site is also included in the report. Adjoining properties were observed from the subject site or public rights-of-way to identify any conditions or actions which may have an adverse environmental impact on the subject site. Historical research was performed for the subject property to identify past ownership and land use which may be relevant to identifying potential environmental risks associated with the Site. This final report was prepared to describe and summarize the activities performed at the Site and identify any potential RECs, CRECs, HRECs, VECs, or risks for the subject property. Findings and Opinions and Conclusions sections are included in this report.

Under ASTM E 1527-13, the client is responsible for providing information regarding title records, environmental liens; activity and/or land use limitations, a site diagram, site contact information,

information regarding environmentally-related reduction(s) for the value of the subject property, and the reason the Phase I ESA was performed.

The Scope of Work for this Phase I ESA is included as Appendix A to this report.

2.3 Significant Assumptions

All information regarding the subject property obtained from interviews with the current and past owner(s) of the Site and/or their representatives, agency officials, potential buyers of the property, etc., is assumed to be accurate and complete.

2.4 Special Terms and Conditions

All pertinent information obtained during this assessment is presented in this report. Conclusions and recommendations regarding the environmental condition of the subject property are based on information acquired from a facility site inspection, historical research of the subject property and its adjoining properties, regulatory agency file review, and interviews.

2.5 Limitations and Exceptions

EWI has performed the services in a manner consistent with that level of care and skill ordinarily exercised by other members of our profession currently practicing in the same locality and under similar conditions, within the limitations of the ASTM E 1527-13 Standard and the AAI Rule established by the US EPA (40 CFR, Part 312) in accordance with an agreement between EWI and their Client. The VEC practices were conducted in general accordance with ASTM E 2600-15. The conclusions presented in this report are professional opinions, based solely upon visual observations of the Site and our interpretation of documents reviewed as described in this report. The conclusions are intended exclusively for the purpose outlined herein and at the site location, project, and timeframe indicated. This ESA did not include subsurface or other invasive assessments or other services not particularly identified and discussed herein. Unless specifically included in the scope of work, ASTM-defined non-scope issues and materials not currently deemed hazardous by the US EPA (asbestos containing materials, environmental regulatory compliance, radon, lead-based paint, lead in drinking water, industrial hygiene, health and safety, ecological resources, mold, endangered species or wetlands, etc.) are not included as part of the ASTM requirements of this report.

Further, the conclusions to this assessment are based upon the statements and representations of many individuals and/or agencies. EWI offers no opinion as to the correctness of these statements and representations and disclaims any liability thereof. No other warranty, expressed or implied, is made as to the contents, summary, and conclusions presented herein. It should be recognized that this assessment was not intended to be a definitive investigation of potential impacts at the subject property. It is possible that currently unrecognized impacts may exist at the Site. Conclusions and opinions presented herein apply to property conditions observed at the time of our investigation and

those reasonably foreseeable. They cannot necessarily apply to changes to the subject property of which EWI is unaware and has not had the opportunity to evaluate.

Limiting conditions, data gaps, and deviations from the ASTM Standard (if identified) are noted in the applicable sections of the report and discussed in Section 10.0.

2.6 User Reliance

This report has been prepared expressly for Associated Wholesale Grocers for use in evaluation of the environmental condition of said property. This report may be relied upon/used by Associated Wholesale Grocers and Super Market Developers, Inc. The scope of service performed in execution of this investigation may not be appropriate to satisfy the need of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said users. Use or reliance by any other party is prohibited without the written authorization.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The subject property is located at 2107 South 4th Street on the northeast corner of the intersection of South 4th Street and Marion Street in Leavenworth, Leavenworth County, Kansas. The location of the Site is displayed on Figures 1.0 through 3.0 of this assessment.

A brief legal description of the subject property, as obtained from the Leavenworth County Assessor's website, is as follows:

LT 1 BALLS SUB RPLT LESS TR BEG NW COR LT 2, N10'(S), E147.7', S160'(S), W30', N100'(S), W20'(S), N50'(S), W TO POB

3.2 Site and Vicinity Characteristics

The Site is a commercial property located in an area of commercial and residential development.

3.3 Current Use of the Subject Property

The subject property is currently a Price Chopper grocery store. The Price Chopper includes a barber shop, pharmacy, bakery and meat department with a vacant tenant space on the southwest corner.

3.4 Description of Structures, Roads, and Other Improvements

The subject property is approximately 4.0 acres of commercial land, with an approximately 50,000 square foot (ft²) commercial structure developed onsite. The structure is currently occupied by a grocery store, Price Chopper, and has been present onsite since approximately 1991. The remaining areas of the Site are improved with asphalt-paved parking lots and associated landscaping.

The subject property is illustrated on the Site Diagram provided as Figure 2.0.

3.5 Site Owner, Property Manager, and Occupant Information

Site Owner(s):	Four D Company LLC
Site Manager(s):	Mr. Rory Knight, Night Manager at Price Chopper
Site Occupant(s):	Price Chopper

3.6 Current Uses of the Adjoining Properties

Adjoining Properties to the North	Great Western Manufacturing Co., parking lot and City of Leavenworth Animal Control
Adjoining Properties to the East	South 3rd Street, auto salvage yard, Fivemile Creek and vacant land
Adjoining Properties to the South	Marion Street, Advanced Auto & Truck, Wage's Repair
	Service and Lake's Auto Salvage

Adjoining Properties to the West	Parking lot, multi-tenant commercial structure with TMobile,
	Fry's and Subway, South 4th Street, Casey's, Rent-A-Center,
	US Nails

3.7 Physical Setting

Based on field observations and a review of the topographic map, the surface topography of the subject property slopes to the east. The topography in the surrounding area generally slopes towards Fivemile Creek located approximately 175 feet east of the Site. Based on an interpretation of surface topography, groundwater flow direction in the area of the Site is anticipated to be to the east/southeast. An Area Topographic Map of the subject site and surrounding area is included as Figure 3.0.

Actual local groundwater flow direction and levels may vary due to seasonal fluctuations in precipitation, the presence of nearby water bodies, geology, underground structures, or other factors beyond the scope of this study. A hydrogeological investigation is necessary to determine groundwater flow direction/levels with certainty.

4.0 USER PROVIDED INFORMATION

ASTM E 1527-13 defines a user as a person seeking a Phase I ESA of the subject property. A user may include, without limitation, a potential purchaser of the subject property, a potential tenant of the subject property, an owner of the subject property, a lender, or a Site manager.

In accordance with the EPA AAI Rule and ASTM E 1527-13, the user has obligations for performing tasks during this assessment that will help identify the possibility of RECs in connection with the Site in order to obtain certain landowner liability protections (LLPs) from CERCLA liability.

Mr. Joel Riggs, Executive Director of Super Market Developers, Inc., provided the information described above by completing a Client Checklist provided by EWI. The user's responses are summarized in the following sections and a copy of the Client Checklist and any user provided documents are included in Appendix B.

4.1 Title Records

Title records were not provided for review.

4.2 Environmental Liens or Activity and Land Use Limitation (AUL)

EWI was not informed by the user of any environmental liens or Activity and Use Limitations (AUL) in connection with the subject property.

4.3 User's Specialized Knowledge or Experience

Mr. Riggs stated that the Site is currently a grocery store.

4.4 Valuation Reduction for Environmental Issues

In some instances, the environmental condition of a parcel of land has the potential to reduce the value of the subject property. The user must provide the environmental professional/consultant information that the purchase price of the subject property is significantly less than the purchase price of comparable properties. The user should also identify an explanation for the lower price and make a written record of that explanation for the environmental professional/consultant.

The user indicated that to their knowledge the value of the subject property has not been reduced below the price of comparable properties in the immediate area.

4.5 Reason for Performing the Phase I ESA

This Phase I ESA was performed in order to determine if any RECs exist at the subject property in accordance with ASTM E 1527-13 for due diligence, business environmental risk, and CERCLA defense purposes.

5.0 RECORDS REVIEW

5.1 Standard Environmental Records Sources

EWI contracted the services of Environmental Data Resources, Inc. (EDR) to conduct a database search for facilities listed on federal, state, and tribal databases in the area of the subject property. Facilities listed in these databases have reported or suspected releases of hazardous materials and/or petroleum products to the environment, may store such chemicals, and/or generate hazardous waste, and/or are involved in federal or state clean-up activities. The search was performed for the subject property and the approximate minimum search distances specified per database in the ASTM E 1527-13 Standard. EDR searched for listings within the following ASTM-required databases, in addition to other federal, state, local, and proprietary databases. A complete list and description of the databases searched is provided in EDR's Radius Map Report induced in Appendix C.

ASTM-Required Database:

- NPL National Priorities List and State and Tribal Equivalents, facilities listed for priority remedial actions under the Superfund Program (within 1.0-mile)
- DELISTED NPL- Delisted NPL, facilities removed from the NPL (within 0.5-mile)
- SEMS (former CERCLIS) Superfund Enterprise Management System tracks sites in support of the EPA's Superfund Program (within 0.5-mile)
- SEMS-ARCHIVE (former CERCLIS-NFRAP) SEMS-ARCHIVE tracks sites that have no further interest under the Superfund Program (within 0.5-mile)
- SHWS State Hazardous Waste Sites List (State CERCLIS Equivalent) (within 0.5-mile)
- DEL SHWS Facilities removed from the SHWS list (State CERCLIS-NFRAP Equivalent) (within 0.5-mile)
- RCRA CORRACTS Resource Conservation and Recovery Act Corrective Action Report, hazardous waste handles with RCRA corrective action activity (within 1.0-mile)
- RCRA non-CORRACTS TSD RCRA Treatment, Storage & Disposal of hazardous waste...(within 0.50-mile)
- RCRA Generators facilities that generate hazardous waste as part of their normal business practices (subject property and adjoining properties only)
 - RCRA-LQG Large Quantity Generator, 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste
 - RCRA-SQG Small Quantity Generator, 100-1000 kg/month of non-acutely hazardous waste
 - RCRA-CESQG Conditionally Exempt Small Quantity Generator, are those that generate less than 100 kg/month of non-acutely hazardous waste
 - RCRA-NonGen/NLR Non Generators/No Longer Regulated, do not presently generate hazardous waste
- US INST CONTROLS and US ENG CONTROLS Institutional and Engineering Controls and Tribal Equivalents (subject property only)

- ERNS Emergency Response Notification System, EPA listing of reported releases (subject property only)
- SWF/LF Permitted Solid Waste and Landfill (within 0.5-mile)
- UST Underground Storage Tank (subject property and adjoining properties for registered tanks)
- LUST Leaking Underground Storage Tanks (within 0.5-mile)
- VCP Voluntary Cleanup Program (within 0.5-mile)
- BROWNFIELDS State Listed Brownfields Facilities, properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments (within 0.5-mile)

EWI reviewed EDR's findings for listings on the subject property and for listings within the approximate minimum search distance with the potential to impact the subject property due to the migrations of known or suspected contamination. Off Site listings were evaluated based on the nature of the database and regulatory status, distance and topographic location from the Site, specific contaminants and the distance contaminants are likely to migrate, local geologic or hydrogeologic conditions (if known), etc. EWI also evaluated "orphan" sites that EDR could located with confidence. If applicable, orphan sites are discussed within this section.

In the following discussions, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the subject property. Groundwater flow direction is assumed to be parallel to the surface topography of the Site and/or surrounding area. The groundwater flow direction and the depth to shallow groundwater would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the subject property cannot be directly ascertained.

Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient to evaluate the presence of RECs, CRECs, and HRECs. If determined necessary to supplement the standard environmental record sources, EWI contacted and/or researched additional records summarized in Section 5.2 and/or discussed in the applicable sections of this report. The facilities identified by EDR but not summarized below were determined unlikely to have an adverse environmental impact on the Site based on the available information and consideration of the factors listed above including regulatory status and distance and topographic location from the Site. Facilities identified with potential for impact to the subject property are discussed as follows:

5.1.1 Subject Property Listings

The subject property was not identified in the regulatory databases searched by EDR.

5.1.2 Surrounding Property Listings

The following facilities were identified within the approximate minimum search distance with potential for impact to the subject property:

Site Name:	CITY OF LEAVENWORTH OLD CITY LANDFILL (052-LEA#2), CITY OF
Site Name:	LEAVENWORTH OLD CITY LANDFILL (052-LEA#2), CITY OF LEAVENWORTH 2ND & LIMIT DUMP (052-2ND-LIM)
Databases:	CITY DUMPS, SWF/LF
Address:	South 3rd Street
Distance (feet):	
Direction:	North/Northeast
Gradient	Cross-gradient/Down-gradient
Comments:	A former landfill was identified north/northeast of the Site prior to 1970. EWI
	interviewed Mr. Mike Gordon and Mr. Mike Hooper from the Public Works Department at the City of Leavenworth regarding their knowledge of the former landfill. Mr. Gordon and Mr. Hooper stated that to their knowledge the landfill was located north/northeast of the Site and was closed by approximately 1970 when the City Garage was developed in its place. Mr. Gordon and Mr. Hooper could not recall any sampling activities or investigation conducted at the landfill; although they could recall evidence of waste observed during construction activities onsite and the surrounding area.
	EWI submitted a records request to KDHE for additional information on the former adjoining landfill. KDHE provided an inspection form for the landfill dated August 15, 2018. According to the inspection, the former landfill was in acceptable condition with no visible wastes. No violations were found.
	No information was available regarding sampling or investigation of the former landfill. Based on close proximity and the landfill's operation prior to environmental regulation, the facility is considered a REC and VEC to the Site.
Site Name:	LEAVENWORTH, CITY OF, GARAGE/CITY GARAGE/LEAVENWORTH MUNICIPAL
	GARAGE AREA 2
Databases:	SEMS-ARCHIVE, LUST, UST, RCRA-NONGEN/NLR
Address:	2101 S 3RD/3RD AND MARION
Distance (feet):	
Direction:	Northeast
Gradient	Cross-gradient/Down-gradient
Comments:	EWI requested documentation from KDHE and the City of Leavenworth regarding former operations and investigations at the facility. A LUST incident was reported for the facility in February 1991 in response to the
	removal of a 6,000-gallon fuel oil UST. A LUST incident was also reported in November 1992 when a 300-gallon waste oil UST and associated lines were removed from the Site. KDHE provided Buried Tank Leak Assessments (BTLAs) for both incidents and no leaking or contamination surrounding the USTs were reported; however, no sampling was conducted to confirm or deny impact to the subsurface. These incidents are closed. No information was provided regarding location of the former USTs.
	The facility has been listed as a non-generator since 2003 but was historically a SQG in 1987 for benzene, tetrachloroethylene, spent non-halogenated solvents and ignitable waste. EWI reviewed a compliance inspection conducted at the facility in September 1991. The inspection identified employees disposing of paint waste and paint contaminated thinner by dumping the material on the ground north of the sign shop. Visibly contaminated soil was observed in this area. Evidence of waste paint and paint thinner was also observed being dumped into a storm drain near the sign shop which discharges to the east adjoining Fivemile Creek.
	In December 1991, soil samples were collected from 6 inches below ground

Based on a sampling map provided by KDHE, EWI determined that the sign shop was located approximately 135 feet northeast of the Site. The samples were composited into two samples (one 6 inch and one 18-24 inch sample) and analyzed for RCRA 8 metals, TCLP Organic Compounds and volatile organic compounds (VOCs). 1,1,2,2-tetrachloroethane, chlorobenzene and xylenes were detected at 19,000 parts per billion (ppb), 12ppb and 28ppb respectively in the composite sample collected from 6 inches bgs. No detections were identified in the sample from 18-24 inches bgs. KDHE determined that although contamination was present at the facility, it did not meet the definition of hazardous waste; therefore, areas of visible contamination were recommended to be removed and disposed. As of April 1992, approximately 60 cubic yards of contaminated soil was reportedly removed from the Site and disposed of at the Leavenworth Landfill. No sampling appears to have been conducted to confirm contamination was removed from the facility. In addition, groundwater was not evaluated during the assessment.
An additional complaint was issued for the facility in 1991 which noted oil contamination in the area of the vehicle maintenance garage. Based on a review of aerial photographs, the vehicle maintenance garage likely adjoined the Site to the northeast from at least 1970 to 1991. Vehicle storage is also depicted on the east portion of the Site in the 1985 aerial. Based on close proximity and a history of non-compliance, the City Garage

Site Name:	GREAT WESTERN MFG CO INC
Databases:	RCRA-SQG, US AIRS (AFS)
Address:	2017 S 4TH
Distance (feet):	Adjoining
Direction:	North
Gradient	Cross-gradient
Comments:	The facility adjoins the Site to the north and was listed as a SQG in 1993, 2000, 2003 and from 2005-2018. The facility was also listed as a LQG in 1994. The facility generates ignitable waste, chromium, benzene, methyl ethyl ketone, tetrachloroethylene, trichlorethylene and spent non-halogenated solvents. No violations have been reported. According to documentation provided, the facility manufacturers sieves and sifters used in the flour industry. KDHE provided documentation associated with a Hazardous Waste Compliance Assistance Visit (CAV) in 2012. Various deficiencies were cited during the visit; however, these do not appear to have impact on the
	subject property. EWI also reviewed historical inspections dated 1987 which indicate that waste paint and spent paint booth filters were historically being disposed of in the dumpster. At the time of the inspection, Safety-Kleen was disposing of waste solvent associated with onsite parts washing; however, correspondence states that the facility previously dumped waste solvent on the ground or in the trash. The timeframe associated with the practice of improper solvent dumping is unknown. Based on the close proximity of the facility and history of solvent dumping, the facility has potential to impact the subject property and is considered a REC and VEC.

Site Name:	ADVANCE AUTOMOTIVE
Databases:	ECHO, RCRA-CESQG, FINDS
Address:	319 MARIAN
Distance (feet):	60
Direction:	South
Gradient	Cross-Gradient

Comments	in 1994 for the generation of ignitable waste, benzene and tetrachloroethylene. A compliance evaluation reportedly occurred in November 2017 and no violations were issued. Based on compliant status, distance and cross-gradient orientation,
	the facility does not pose a REC to the Site.

Site Name:	CASEY'S GENERAL STORE - #2826
Databases:	Financial Assurance, UST, EDR HIST AUTO
Address:	2100 S. 4TH STREET
Distance (feet):	100
Direction:	West
Gradient	Up-Gradient
Comments:	The facility is located west of the Site beyond South 4th Street. The facility currently utilizes a 20,000-gallon gasoline UST, a 12,000-gallon gasoline UST and a 8,000-gallon diesel UST installed in 2009. EWI submitted a request for additional information from KDHE and received documentation including registration and installation of the USTs. In addition, EWI reviewed correspondence dated June 29, 2010, August 3, 2010, July 12, 2011 in which KDHE noted that they had not received satisfactory inventory control records and/or monthly monitoring reports for release detection. Additional correspondence dated May 13, 2014, June 25, 2014, March 21, 2018, March 19, 2019, April 29, 2019 and May 20, 2019 indicate missing function tests for onsite USTs. EWI also reviewed UST inspections conducted by KDHE on November 4, 2011, March 28, 2013, April 18, 2017 and April 1, 2019 which indicated excess fluid in spill bucket. No other violations noted except for minor repairs. Although the facility has a history of missing compliance records, no releases, the facility does not pose a REC to the Site.

Site Name:	CENTURY VAN LINES INC
Databases:	Financial Assurance, LUST, UST, RCRA-CESQG, ECHO, FINDS
Address:	211 MARION
Distance (feet):	250
Direction:	Southeast
Gradient	Down-Gradient
Comments:	The facility was listed for a LUST incident which occurred during the removal of a 4,000-gallon gasoline UST and a 4,000-gallon diesel UST. No indication of release was observed during the excavation and the incident was closed in June 2012. In addition, the facility is listed as a CESQG for the generation of ignitable waste, benzene and tetrachloroethylene. No violations are listed. Based on distance and orientation from the Site, the facility does not pose a REC.

5.2 Additional Environmental Records Sources

Additional environmental records sources reviewed by EWI are summarized below and further discussed in the applicable sections of this report. Supporting documentation is included in Appendix D.

Record Source	Contact	Date of Contact	
City of Leavenworth, KS	Ms. Carla K. Williamson, City Clerk	08/01/2 019	The City of Leavenworth provided documentation related to the Site's development as a Price Chopper grocery store (discussed in Section 5.4). The City also provided documentation for the Leavenworth Animal Control facility (formerly occupied by the City of Leavenworth Garage). See below for details.

Record Source	Contact	Date of Contact	Findings
KDHE Bureau of Environmental Remediation (BER)	Ms. Laura Davis	07/29/2 019	The KDHE BER provided documentation for the Casey's gas station located west of the Site and two (2) BTLAs for the former City Garage at 3rd and Marion. This information is discussed in Section 5.1.2.
KDHE Bureau of Waste Management (BWM)	Ms. Debbie Lusby	07/25/2 019	The KDHE BWM provided an inspection form for the former City of Leavenworth landfill, RCRA and compliance information for the former City Garage at 3rd and Marion and RCRA compliance documentation for the north adjoining Great Western Manufacturing. Discussed in Section 5.1.2.
KDHE Closed City Dump Cleanup Program GIS	Not Applicable	07/25/2 019	No dumps were identified in the area of the Site.
KDHE Environmental Interest Finder	Not Applicable	07/25/2 019	Corresponds with Section 5.1.
KDHE Tanks Database	Not Applicable	07/25/2 019	Corresponds with Section 5.1.
KDHE Reported Spills Finder	Not Applicable	07/25/2 019	Corresponds with Section 5.1.

The City of Leavenworth provided a Field Report dated July 8, 2013 associated with the construction of the Leavenworth Animal Control (northeast of the Site). The report indicates that "tanks" were removed from the facility on July 2, 2013. Two of the tanks were reportedly "relocated to the northeast of the site", still on the City of Leavenworth's property. During this relocation, tank contents were reportedly spilled on the ground surface. The Field Report includes photographs including a photograph (on Page 4) that identifies "spillage" from the tank removal. The spillage appears to be northeast of the Price Chopper structure located on the subject property.

A Field Report dated August 14, 2013 indicates that the tank spillage had not been cleaned up to date. In addition, tank spillage had previously been observed on standing water "north of the Price Chopper parking lot".

The tanks removed during the construction of the Leavenworth Animal Control (northeast of the Site) are potentially attributed to the former City Garage.

5.3 Historical Use Information

Historical use information was reviewed for the subject property and surrounding area to identify the likelihood of past uses having led to RECs in connection with the Site. The historical research objectives are to determine the Site and surrounding area historical uses back to the obvious first developed use, to the extent feasible. The following table summarizes the historical sources reviewed and copies are included in Appendix E:

Resource	Years Available	Source
City Directories	1963-2014 (approximately	EDR
	five-year intervals)	
Sanborn Maps	No Coverage	EDR
Aerial Photographs	1947, 1950, 1960, 1970,	EDR
	1975, 1982, 1985, 1991,	
	1997, 2002, 2007, 2010,	
	2014 and 2017	
Aerial Photographs	1991, 1997, 2002, 2003,	Google Earth
	2004, 2005, 2006, 2007,	
	2008, 2009, 2010, 2011,	
	2012, 2013, 2014, 2015,	
	2016, 2017, 2018 and 2019	
Topographic Maps	1890, 1894, 1910, 1948,	EDR
	1949, 1951, 1961, 1970,	
	1975, 1976, 1984 and 2012	

5.3.1 City Directories

City directories are cross-indexed by street address and list occupants alphabetically by name, address, and telephone number. The Site addresses identified in the historical City directories may differ from the current parcel address. A summary of the listings for the Site and pertinent commercial listings in the surrounding area are provided in the following table:

Site/ Surrounding Direction	Listings
Site	2105 S 4th Street: Residential (1963, 1969, 1974, 1979), No Return (1984)
	2107 S 4th Street: Price Chopper (1992, 2005), Rice Garden Inc. (2005, 2010), Four B Corp (1992, 1995, 2000, 2005, 2010, 2014)
	2109 S 4th Street: Residential (1963, 1969, 1974, 1979), Vacant (1984), C & D Sales II new-used furn (1989)
	224 Marion Street: Vacant (1963)
North	228 Marion Street: Residential (1963), Vacant (1969, 1979) 2017 S 4th Street: Johnson Gordon Co. poultry processing equip mfr (1963, 1969, 1974), Simon Johnson Co. food processing equip mfr (1979), Vacant (1984), Great Western Mfg Co. Inc. (1989, 1992, 1995, 2000, 2005, 2010, 2014)
	2025 S 4th Street: Tads Tropical Sno (2005) 2031 S 4th Street: Burger King Corporation (1995, 2000) 2101 S 4th Street: Residential (1974, 1979, 1984)
East	211 Marion Street: Aero Mayflower Agency (1995), Century Van Lines Inc. (1984, 1989, 1992, 1995, 2000, 2005, 2010, 2014)
	236 Marion Street: Lakes Auto Salvage (1963), City Street Department Service Center shop (1979) City of Leavenworth Street Department (1984, 1989), Lake Harley L (1963, 1969, 1974, 1979, 1984), Lake Cath P Mrs (1989)
	300 Marion Street: Residential (1963, 1969, 1974)

Site/ Surrounding Direction	Listings
South	235 Marion Street: Lakes Auto Salvage (169, 1974, 1979, 1984, 1989, 1992, 2000), Lake Robert (2005, 2010, 2014)
	313 Marion Street: Woodworking by Suzanne (1995, 2000), Wages Repair Services (1963, 1969, 1974, 1979, 1984, 1989, 1992, 1995, 2000, 2005)
	315 Marion Street: No Return (1979), M&M Body Shop (1984), Dan's Truck Repair & Mobile Shop (1989), Advanced Auto Truck & Trailer Repair (2000, 2005, 2010, 2014)
	319 Marion Street: Hupp, Danny (1992, 1995), Advanced Auto Truck & Trailer Repair (1995)
	2111 S 4th Street: Vacant (1963, 1969), Taco Grande restr (1979, 1984, 1989)
	2113 S 4th Street: Residential (1963), Vacant (1969)
	2115 S 4th Street: Thrift Shop used mdse (1963), Curt's Motorcycles (1969)
West	2020 S 4th Street: Buddie's Drive In (1963), Taco Grande restr (1969, 1974), Vacant (1979), Flower Garden flowers ret (1984)
	2024 S 4th Street: New Kirk Foods Inc. (1992, 1995, 2000), Graja Inc. (2005, 2010, 2014), Hans Management (2010, 2014)
	2030 S 4th Street: Flower Garden ret (1989), Of Ahz (1995), J C Penney Corporation Inc. (2010), Land of Ahz (2000, 2005, 2010, 2014)
	2100 S 4th Street: Leavenworth Motel (1963, 1969, 1974), Burger King Corporation (1979, 1984, 1989, 2005), Casey's General Stores Inc. (2010, 2014)
	2106 S 4th Street: Pay Less Shoe Store (1974, 1979), Freight Furniture Warehouse (1984), Expressi Video movie & vcr rentl (1989), Video Express (1992, 1995), Rent-A-Center Inc. (2005, 2010, 2014)
	2110 S 4th Street: Woellheart Liquor Store (1963), Mc Carbrey's Liquor store (1969), Johnson Liquor Store (1974), Barnhart Dixie E Retail Liquor (1979), Barnhart Retail Liquor (1984), Brune Retail Liquor (1989)

5.3.2 Summary of Sanborn Maps, Aerial Photographs, and Topographic Maps

Readily available historical United States Geological Survey (USGS) topographic maps, historical aerial photographs and historical fire insurance maps produced by the Sanborn[®] Map Company (if coverage exists) were reviewed to evaluate land development and obtain information concerning the history of development of the Site and surrounding area. A chronological summary of the previous Site and surrounding area uses determined through the historical sources review is provided in the following table:

Date Range	Property Uses	Source	
Subject Property			
1890-1894No structures or improvements illustrated.Topographic maps			

Date Range	Property Uses Sub Header	Source
1910	The Site is developed with various structures and	Topographic maps
	railroad tracks intersect the Site.	ropographic maps
1947-1960	The Site is developed with residential structures	Aerial photographs and
	and railroad tracks intersecting the central portion	Topographic maps
	of the Site from north to south. A portion of	ropographic maps
	Fivemile Creek is present on the northeast corner.	
	A pond is visible in the southeast corner in the	
	1947 aerial.	
1966*	The Site is developed with residential structures.	*Aerial photographs from City
1500	Railroad tracks and access road intersect the	of Leavenworth GIS
	central portion of the Site. A portion of a salvage	
	yard is present on the east portion of exterior	
	material storage associated with the north	
	adjoining property is present on the north portion.	
	A portion of Fivemile Creek is present on the	
	northeast corner.	
1970	The Site is developed with residential structures	Aerial photographs and
1570	on the west portion with railroad tracks and an	Topographic maps
	access road intersecting the central portion of the	
	Site. The northeast corner is cleared for	
	development and apparent trailers are present on	
	the east portion.	
1975	An apparent structure is on the west portion with	Aerial photographs and
	railroad tracks and an access road intersecting the	Topographic maps
	Site. The northeast portion is a paved lot. Aerial	
	photograph is low quality and improvements are	
	difficult to identify.	
1976*	The west portion of the Site is vacant. Railroad	*Aerial photographs from City
	tracks intersect the central portion of the Site and	of Leavenworth GIS
	the east portion is paved with parking.	
1982-1985	A structure is present on the west portion and	Aerial photographs and
	railroad tracks and an access road intersect the	Topographic maps
	Site. Vehicle storage is present on the east	
	portion.	
1991-2018	The current commercial structure is present on	Aerial photographs,
	the east portion of the Site and the remaining	Topographic maps and
	area is a parking lot.	Google Earth
	Adjoining Area to the North	-
1890-1894	No structures or improvements illustrated.	Topographic maps
1910	Structure and railroad to the north.	Topographic maps
1947-1951	Residence, vacant land with commercial structures	
	beyond. Railroad and Fivemile creek also present	Topographic maps
1000	to the north.	A suist whether we whe
1960	Residence and commercial warehouse structure.	Aerial photographs
	Railroad, Fivemile creek and vacant land to the	
1070	northeast. Residence and commercial warehouse structure.	Acrial photographs and
1970		Aerial photographs and
	Railroad, Fivemile creek and landfill to the	Topographic maps
1075-1076	northeast.	Aorial photographs and
1975-1976	Residence commercial warehouse structure.	Aerial photographs and
	Railroad and commercial structures with parking	Topographic maps
1982-1985	to the northeast. Landfill beyond. Residence commercial warehouse structure.	Aorial photographs and
1307-1302	Residence commercial warehouse structure.	Aerial photographs and
		Topographic maps
1991	storage to the northeast. Vacant land beyond. Residence to the north is demolished. Commercial	Aorial photographs
1221		Aerial photographs
	warehouse and railroad located to the north.	
	Commercial structures and parking to the	
	northeast with disturbed vacant land beyond.	

Date Range 1997-2003		Source
	Property Uses Sub Header Commercial warehouse and railroad tracks to the	Aerial photographs and
	north. Parking lot to the northeast and vacant	Google Earth
	land with material piles beyond.	
2004-2018	Commercial warehouse to the north. Railroad	Aerial photographs,
	tracks no longer present. Parking lot to the	Topographic maps and
	northeast and vacant land beyond.	Google Earth
	Adjoining Area to the East	
1890-1894	Fivemile Creek is illustrated east of the Site with	Topographic maps
	railroad tracks and the Missouri River beyond.	=
1910	Fivemile Creek and South 2nd Street	Topographic maps
1947-1961	Fivemile Creek, residential structures and vacant	Aerial photographs and
	land with South 2nd Street beyond. Quarries are	Topographic maps
1970-1976	labeled to the east in the 1961 Topographic map.	Acrial photographs and
19/0-19/0	South 3rd Street, residential and commercial	Aerial photographs and
	structures, Fivemile Creek (rerouted) and landfill with South 2nd Street beyond.	Topographic maps
1982-1991	South 3rd Street, commercial and residential	Aerial photographs and
1902-1991	structures, vacant land with Fivemile Creek and	Topographic maps
	South 2nd Street beyond. Vehicle storage is	
	present in the 1985 Aerial.	
1997-2010	South 3rd Street, vehicle storage, Fivemile Creek,	Aerial photographs and
	vacant land and commercial structure, South 2nd	Topographic maps
	Street beyond.	
2014-2018	South 3rd Street, commercial structure and	Aerial photographs and
	vehicle storage, Fivemile Creek, vacant land and	Google Earth
	commercial structure, South 2nd Street beyond.	
	Adjoining Area to the South	
1890-1894	Fivemile Creek extends to the south.	Topographic maps
1910	Marion Street, structures and railroad tracks with	Topographic maps
1	Elvomilo (rook boyond	
	Fivemile Creek beyond.	Asvislushete susplayed
1947-1975	Marion Street, residential and commercial	Aerial photographs and
1947-1975	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and	Aerial photographs and Topographic maps
	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks.	Topographic maps
1947-1975 1982-2018	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant	Topographic maps Aerial photographs,
	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant land, Fivemile Creek and railroad tracks. Vehicle	Topographic maps Aerial photographs, Topographic maps and
	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant land, Fivemile Creek and railroad tracks. Vehicle storage is present to the south. Railroad tracks	Topographic maps Aerial photographs,
	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant land, Fivemile Creek and railroad tracks. Vehicle storage is present to the south. Railroad tracks are no longer present by 1991.	Topographic maps Aerial photographs, Topographic maps and
1982-2018	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant land, Fivemile Creek and railroad tracks. Vehicle storage is present to the south. Railroad tracks are no longer present by 1991. Adjoining Area to the West	Topographic maps Aerial photographs, Topographic maps and Google Earth
	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant land, Fivemile Creek and railroad tracks. Vehicle storage is present to the south. Railroad tracks are no longer present by 1991.	Topographic maps Aerial photographs, Topographic maps and Google Earth Topographic maps
1982-2018 1890-1894	Marion Street, residential and commercial structures with vacant land, Fivemile Creek and railroad tracks. Marion Street, commercial structures with vacant land, Fivemile Creek and railroad tracks. Vehicle storage is present to the south. Railroad tracks are no longer present by 1991. Adjoining Area to the West South 4th Street is present to the west.	Topographic maps Aerial photographs, Topographic maps and Google Earth
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An automotive salvage yard, identified in the city directories as Lakes Auto Salvage, has adjoined the Site to the east since as early as 1963. Vehicle storage is also visible onsite in the 1966 and 1985 aerial

photographs. Based on close proximity in addition to potential operation onsite, the automotive salvage yard is a REC and VEC to the Site.

5.4 Previous Environmental Reports and Other Documentation

A Phase II Environmental Site Assessment was also conducted for the Site proposed supermarket (Price Chopper) by Terracon Environmental in December 1989. The Phase II ESA was performed in response to a previous Phase I ESA dated October 27,1989 which identified potential off-site contaminant sources to the "north, east and southeast". Adjacent properties to the north were identified as Great Western Manufacturing, GNB Batteries and the Leavenworth Service Center (also identified as the City Garage)/former landfill and properties to the east and southeast were identified as auto salvage yards with automotive repair shops to the south. EWI was not provided a copy of the previous Phase I ESA for review.

At the time of the Phase II investigation, two residences, a furniture store and small sheds were located on the subject property. The remaining area consisted of undeveloped land with an unimproved road (Third Street) and railroad line intersecting the Site.

Soil samples were collected along the east property line (B-1, B-2 and B-3) and near the northeast corner of the Site (MW-3 and MW-4) in order to identify "possible lead and/or petroleum contamination" associated with former USTs on the Leavenworth Service Center property that previously leaked "an undetermined amount of gasoline" and the adjoining auto salvage yard. Three (3) discrete shallow soil samples were collected 2 feet below ground surface (bgs) along the eastern property boundary via hand auger. No concentrations of total petroleum hydrocarbons (TPH) above 50 parts per million (ppm) were detected in the samples. Concentrations of lead were detected at approximately 20 ppm in each of the samples which was reportedly within typical background levels for the area. In addition, discrete soil samples were collected from MW-3 and MW-4 (northeast portion of the Site) at 3 feet bgs and analyzed for TPH. The samples identified TPH at concentrations of 140 ppm and 260 ppm respectively. The report indicates that a composite soil sample and groundwater sample were also collected in this area during the previous Phase I ESA and no gasoline constituents (i.e. benzene, toluene or ethylbenzene) were detected.

Six (6) monitoring wells were also installed at the subject property during the Phase II ESA. Three wells were installed along the northern property boundary (MW-1, MW-2 and MW-3), two wells along the eastern property boundary (MW-4 and MW-5) and one well (MW-6) in the southwest corner. Groundwater samples collected from MW-1 through MW-5 were analyzed for BTX. Additionally, samples collected from MW-1, MW-2, MW-3 and MW-5 were also analyzed for total lead. Groundwater samples collected from MW-3, MW-4, MW-5 and MW-6 were subjected to a survey search for extractable compounds (semi-volatile compounds) and volatile organic compounds (VOCs). This analysis reportedly was conducted to identify potential organic compounds present as a result of former landfill activities to the north and onsite fill material (from redirecting Fivemile Creek). Lastly, groundwater samples

collected from MW-4 and MW-6 were analyzed for "13 priority pollutant metals" due to potential impact from the landfill, auto salvage yard and other industrial sites.

No detectable concentrations of benzene, toluene, xylene or total lead were identified in groundwater at MW-1, MW-2, MW-3 or MW-5. No volatile or semi-volatile compounds were detected above 5 parts per billion (ppb) at MW-3, MW-5 or MW-6. Analytical results at MW-4 (along the northeast portion of the Site) identified elevated concentrations of metals in groundwater that were above National Drinking Water Standards for the time. In addition, a concentration of 18 ppb was detected for an unidentified semi-volatile compound in groundwater at MW-4. According to the Phase II narrative, the groundwater impacts at MW-4 are potentially attributed to the former landfill and/or auto salvage facility to the east.

Based on a review of results from the Phase II ESA, petroleum impacts were detected in shallow soil and concentrations of metals and semi-volatile compounds were detected in groundwater along the northeast portion of the Site. These impacts were potentially attributed to nearby industrial uses including the former landfill, auto salvage and Leavenworth Service Center (also identified as the City Garage).

A Subsurface Exploration Report was also conducted for the proposed Price Chopper at Fourth & Marion Streets by Terracon Consultants in October 1989. Miscellaneous rubble fill including gravel, brick, concrete, wood, metal and cinders were identified in borings advanced in the area of the proposed Price Chopper (north/northeast portion of the Site).

6.0 SITE RECONNAISSANCE

A visual reconnaissance of the Site and surrounding area was performed on August 6, 2019 to identify uses and conditions with potential to have an adverse environmental impact on the subject property. Accessible interior areas and structures, if any, and the exterior of the Site were inspected. Visual reconnaissance of adjoining properties was limited to areas and facilities that were readily observable from the subject property or from public access areas. Limitations to the site reconnaissance are discussed in Section 10. A Site Diagram is provided as Figure 2.0, and photographic documentation of the inspection is included in Appendix F. The following personnel participated in the Site inspection:

- Ms. Nicole Lounsberry, EWI
- Mr. Rory Knight, Manager at Price Chopper

6.1 General Site Use Information

The Site is currently occupied by a Price Chopper grocery store on the east portion of the Site. The Price Chopper includes a barber shop, pharmacy, bakery and meat department with a vacant tenant space on the southwest corner. A loading dock and stock storage area is present in the southeast portion of the structure. The remaining area consists of asphalt-paved parking.

Site utilities are provided as follows:

• Potable Water Supply — City of Leavenworth, Kansas

6.2 Hazardous Substances or Petroleum Products

The following table summarizes the chemical containers/storage and disposal areas observed during the Site reconnaissance:

Location	Chemical and Quantity	Condition and Notes
Area of the Hydraulic Trash Compactor - North Side of Structure	5-gallon bucket of grease release and two (2) 5-gallon buckets of porta plus	No evidence of release was noted.

6.3 Underground Storage Tanks (USTs) and Above Ground Storage Tanks (ASTs)

A Casey's gas station with active USTs was observed west of the Site across South 4th Street.

A nitrogen AST and an argon AST were observed at the Great Western Manufacturing facility adjoining the Site to the north.

No USTs or ASTs were observed at the Site.

6.4 Site Observations

The following table summarizes the observations made during the Site reconnaissance. Details are provided for uses or conditions identified at the Site or adjoining properties as follows:

Description	Observed or Identified	Details/Comments
Oil/water separators, clarifiers, or sand traps	Yes	EWI observed three (3) underground grease traps present in the kitchen areas at the Site. According to Site Manager, Mr. Knight, these grease traps are maintained by a third party on a regular basis. No issues were noted with the grease traps.
Odors	No	
Pools of liquid	No	
Electrical or Mechanical Equipment With Potential To Contain Polychlorinated Biphenyls (PCBs)	Yes	EWI observed a hydraulic box compactor in the back storage/stock area in the southeast corner of the structure. According to Mr. Knight, the machinery is maintained by a third party and he was not aware of any leaks or issues with the compactor.
		EWI observed a trash compactor on the north side of the structure. EWI observed de minimis staining on the equipment and asphalt beneath.
Transformers - According to federal guidelines, transformers manufactured after July 1979 are required to contain less than 50 parts per million (ppm) PCBs	Yes	EWI observed pole-mounted transformers throughout the Site. Three (3) pole-mounted transformers were observed on the northern property boundary, one (1) pole-mounted transformer was observed in the southwest corner of the Site, and four (4) pole-mounted transformers were observed south of the Price Chopper structure. No decals were noted indicating PCB contents. No evidence of release was identified on the casings or ground beneath. In addition, EWI observed three (3) transformers on a platform east of the structure. EWI observed de minimis staining on the platform beneath the transformers. No evidence of release was observed on the ground beneath
Heating/cooling petroleum fuel source	No	observed on the ground beneath.
Drains or sumps	Yes	EWI observed floor drains throughout kitchen areas at the Price Chopper.
Pits, ponds or lagoons	No	
Stained soil or pavement	No	
Stressed vegetation	No	
Solid waste disposal or fill material on site	Yes	A receptacle labeled "used cooking oil" was located in the back storage/stock area in the southeast corner of the structure. According to Mr. Knight, the used cooking oil is picked up by a third party contractor on a regular basis.
Wastewater (Process water or Treatment System)	No	
Wells	No	
Septic systems or cesspools	No	
Other	Yes	EWI observed a forklift and associated charger/battery in the back storage/stock area in the southeast corner of the structure.

7.0 SITE USE INTERVIEWS

Ms. Nicole Lounsberry interviewed individuals knowledgeable of the uses of the Site and surrounding area. The following individuals were interviewed:

Name:	Title/Role, Company	Interview Type, Contact Information	Date Interviewed
Mr. Rory Knight	Night Manager at Price Chopper	In-person	August 6, 2019

Mr. Knight stated that he has been with Price Chopper since approximately 2004. Mr. Knight stated that at least three (3) underground grease traps were present in the kitchen areas at the Site. To his knowledge, the grease traps are cleaned out by a third party on a regular basis. He was not aware of any issues.

Mr. Knight also stated that a hydraulic box compactor was present in the back storage/stock area. The compactor is maintained by a third party and he was not aware of any spills or issues with the compactor.

Mr. Knight was questioned about the used cooking oil dumpster located in the back storage/stock area. He stated that the used cooking oil is picked up by a third party on a regular basis.

Mr. Knight was not aware of: (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property, or (3) any notices from any government entity regarding any possible environmental violations relating to hazardous substances or petroleum products for the subject property.

8.0 VAPOR ENCROACHMENT SCREENING

The goal of conducting a VES is to identify if a VEC may be present at the Site. A VEC is the presence or likely presence of COC vapors in the sub-surface of the property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property.

The VES practices were conducted in general accordance with ASTM E 2600-15. The guidance includes Tier 1 and Tier 2 screening procedures to identify VECs. The Tier 1 screening starts by assessing the default area of concern (AOC) defined by the approximate minimum search distance or critical distance and then determining if known or suspected contaminated properties with COC vapors exist within the established AOC. The minimum search distance (critical distance) is the upper limit distance a vapor can reasonably be expected to migrate in relatively permeable soil assuming the path of least resistance is directly from the nearest edge of the contaminated media to the nearest subject property boundary.

The default approximate minimum search distance for non-petroleum hydrocarbon COCs (i.e. volatile organic compounds) is identified as 1,760 feet (1/3-mile) from the source to the subject property boundary and the AOC for petroleum hydrocarbons is 528 feet (1/10-mile) from the source to the subject property boundary. The default search distances may be expanded or reduced in the up-gradient, down-gradient, or cross-gradient directions based on the environmental professional's experience in the local area and applying professional judgment to factors such as of physical setting characteristics, estimated regional groundwater flow direction, or hydrogeologic boundaries such as rivers or streams exist which would tend to limit the potential for migration of groundwater or vapors in a particular direction.

The guidance indicates that when groundwater flow direction can be estimated or determined, the cross-gradient or down-gradient search distances can be reduced by utilizing the following default distances, which were determined using the Buonicore Methodology: for non-petroleum hydrocarbon COC vapors 1,760 feet in the up-gradient direction, 365 feet in the cross-gradient direction, and 100 feet in the down-gradient direction; and for petroleum hydrocarbon COCs 528 feet in the up-gradient direction if Light Non-Aqueous Phase Liquid (LNAPL i.e. floating product) is suspected and 95 feet in the cross-gradient direction if no LNAPL is suspected, 100 feet in the down-gradient direction if LNAPL is suspected and 30 feet in the down-gradient position if LNAPL not suspected.

To identify if a VEC exists, EWI conducted a Tier 1 Screening utilizing information collected during the course of the Phase I ESA including an evaluation of the current and historical usage of the property, the physical setting, and the review of the potential sources of subsurface vapor migration through the review of the regulatory agency database summarized in Section 5.1. EWI adjusted the AOC based on the inferred groundwater flow direction in the area of the Site. The Tier 2 Level Screening is a more comprehensive review of existing files and reports to better understand the proximity of impacts and

can be non-invasive or invasive and include sampling. EWI conducted limited Tier 2 screening where non-invasive information was readily available during the course of the Phase I ESA.

The long-term east adjoining automotive salvage yard, former landfill located north/northeast of the Site, north adjoining Great Western Manufacturing Co. and former northeast adjoining City Garage could be potential vapor sources and are considered VECs to the Site.

9.0 ADDITIONAL SERVICES

No additional services outside of the scope of the ASTM E 1527-13 Standard were requested or provided in this assessment.

10.0 DEVIATIONS, LIMITING CONDITIONS, AND DATA GAPS

This Phase I ESA did not deviate from the ASTM E 1527-13 Standard.

As defined in ASTM E 1527-13 a data gap is "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." Data gaps are only significant if "other information and/or professional experience raise reasonable concerns involving the data gap" which affects the ability to identify RECs. Data gaps may result from incompleteness in any of the activities required by this practice.

A data failure is "a failure to achieve the historical research objectives" of the ASTM E 1527-13 Standard "even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful". The uses of the subject property must be identified at five year intervals, as available, from the present back to the subject property's first developed use, or back to 1940, whichever is earlier. Data failure is a type of data gap.

The following data gaps were identified:

- <u>Site Inspection Limitations:</u> EWI was unable to view all office areas including the vacant tenant space located on the southwest corner of the Price Chopper during the Site reconnaissance.
- <u>Interviews:</u> Current owner contact information was not provided. In addition, EWI was unable to interview the previous owner(s)/operator(s) of the Site because contact information was not readily available.
- <u>Recorded Land Title Records or Environmental Lien Searches</u>: Neither title paperwork or an environmental lien search was provided for the Site by the Client. At the direction of the client, performance of a review for these records was not included as part of the scope of services for this assessment, and EWI assumes the user is evaluating this information outside the scope of this report.
- <u>Data Failure</u>: Intervals greater than five years were encountered during the review of the historical sources. EWI was unable to determine the Site's uses back to first development; however, our historical research extended to the early 1900s. The first use of the Site appears to have been residential. Due to limited interviews and historical information, EWI also could not confirm all uses of the Site, including the vacant tenant space located on the southwest corner of the Price Chopper structure.
- Outstanding Information Requests: None.

• <u>Other:</u> EWI was not provided a copy of the previous Phase I ESA reportedly completed on the subject property in 1989.

An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report.

Based on the review of the available record sources and reasonably ascertainable information including regulatory database information, historical information and Site observations, it is unlikely these data gaps or limitations, affected EWI's ability to determine REC(s) for this report. No significant data gaps were identified during this Phase I ESA.

11.0 FINDINGS

The subject property is 4.0 acres of commercial land located in an area of commercial and residential development. The Site is developed with an approximately 50,000 square foot (ft²) commercial structure developed in approximately 1991 and currently occupied by a grocery store, Price Chopper, which includes a barber shop, pharmacy, bakery, florist, and deli. A vacant tenant space is present on the southwest corner. The remaining areas of the Site are improved with asphalt-paved parking lots and associated landscaping. The subject property is owned by Four D Company LLC.

11.1 Historical Records Review Summary

According to historical documentation, the subject property was developed with various structures, likely residential, with railroad tracks intersecting the Site from north to south as early as 1910. The first available aerial photograph in 1947 indicates the Site was developed with various residential structures, railroad tracks, and Fivemile Creek (in the northeast corner). By 1966, the Site remains the same except for a portion of the east adjoining salvage yard present on the east portion of the Site. Exterior material storage associated with the north adjoining property is also present on the north portion of the Site.

The northeast corner of the Site was cleared for development and improved with storage trailers by 1970. In addition, it appears that Fivemile Creek was redirected to the east during this time. By 1975, the northeast corner was developed with a paved lot and vehicle storage associated with adjoining properties. The remaining area of the Site consisted of residential and commercial structures along the west portion (including a furniture store in 1989) and railroad tracks/access roads through the central portion of the Site.

Railroad tracks and former structures were demolished by 1991 when the current Price Chopper structure with tenant spaces was developed on the east portion of the Site with paved parking to the west. Due to limited interviews and historical information, EWI also could not confirm all uses of the Site, including the vacant tenant space located on the southwest corner of the Price Chopper structure.

The adjoining properties have historically consisted of a landfill to the north/northeast prior to 1970, auto salvage adjoining to the east and various automotive repair facilities to the northeast (City of Leavenworth Garage/Leavenworth Service Center) and south across Marion Street.

EWI requested documentation for the Site and surrounding properties from the City of Leavenworth. The City provided a copy of a Phase II Environmental Site Assessment dated December 1989 conducted for the Site prior to construction of the current Price Chopper. The Phase II ESA was performed in response to a previous Phase I ESA dated October 27,1989 which identified potential off-site contaminant sources to the "north, east and southeast". Adjacent properties to the north were identified as Great Western Manufacturing, GNB Batteries and the Leavenworth Service Center (also identified as the City Garage)/former landfill and properties to the east and southeast were identified as auto salvage

yards with automotive repair shops to the south. EWI was not provided a copy of the previous Phase I ESA for review.

At the time of the Phase II investigation, two residences, a furniture store and small sheds were located on the subject property. The remaining area consisted of undeveloped land with an unimproved road (Third Street) and railroad line intersecting the Site.

Three (3) discrete shallow soil samples (B-1, B-2 and B-3) were collected from 2 feet below ground surface (bgs) along the east property line and two (2) discrete soil samples (MW-3 and MW-4) were collected from 3 feet bgs near the northeast corner of the Site in order to identify "possible lead and/or petroleum contamination" associated with former underground storage tanks (USTs) on the adjoining Leavenworth Service Center property that previously leaked "an undetermined amount of gasoline" and the adjoining auto salvage yard. Concentrations of lead were detected at approximately 20 parts per million (ppm) in each of the samples which was reportedly within typical background levels for the area. The samples at MW-3 and MW-4 identified total petroleum hydrocarbons (TPH) at concentrations of 140 ppm and 260 ppm respectively.

Six (6) monitoring wells were also installed at the subject property during the Phase II ESA. Three wells were installed along the northern property boundary (MW-1, MW-2 and MW-3), two wells along the eastern property boundary (MW-4 and MW-5) and one well (MW-6) in the southwest corner. No detectable concentrations of benzene, toluene, xylene or total lead were identified in groundwater at MW-1, MW-2, MW-3 or MW-5. No volatile or semi-volatile compounds were detected above 5 parts per billion (ppb) at MW-3, MW-5 or MW-6. Analytical results at MW-4 (along the northeast portion of the Site) identified elevated concentrations of metals in groundwater that were above National Drinking Water Standards for the time. In addition, a concentration of 18 ppb was detected for an unidentified semi-volatile compound in groundwater at MW-4. According to the Phase II narrative, the groundwater impacts at MW-4 are potentially attributed to the former landfill and/or auto salvage facility to the east.

Based on a review of results from the Phase II ESA, petroleum impacts were detected in shallow soil and concentrations of metals and semi-volatile compounds were detected in groundwater along the northeast portion of the Site. These impacts were potentially attributed to nearby industrial uses including the former landfill, auto salvage and Leavenworth Service Center (also identified as the City Garage).

A Subsurface Exploration Report was also conducted for the proposed Price Chopper at Fourth & Marion Streets in October 1989. Miscellaneous rubble fill including gravel, brick, concrete, wood, metal and cinders were identified in borings advanced in the area of the proposed Price Chopper (north/northeast portion of the Site).

11.2 Regulated Sites Summary

The Site was not identified in the regulatory database searched by Environmental Data Resources, Inc. (EDR). The following facilities were identified within the approximate minimum search distance with potential for impact to the subject property:

A former landfill (City of Leavenworth Old City Landfill, City of Leavenworth 2nd & Limit Dump) was identified in the CITY DUMPS and SOLID WASTE FACILITY (SWF) databases and historically located north/northeast and cross-gradient to down-gradient of the Site. EWI interviewed Mr. Mike Gordon and Mr. Mike Hooper from the Public Works Department at the City of Leavenworth regarding their knowledge of the former landfill. Mr. Gordon and Mr. Hooper stated that to their knowledge the landfill was previously located north/northeast of the Site and was closed by approximately 1970 when the City Garage was developed in its place. Mr. Gordon and Mr. Hooper could not recall any sampling activities or investigation conducted at the landfill; although they could recall evidence of waste observed during construction activities onsite and the surrounding area. EWI submitted a records request to Kansas Department of Health and Environment (KDHE) for additional information on the former adjoining landfill. KDHE provided an inspection form for the landfill dated August 15, 2018. According to the inspection, the former landfill was in acceptable condition with no visible wastes. No violations were found. No information was available regarding sampling or investigation of the former landfill. Based on close proximity and the landfill's operation prior to environmental regulation, the facility is considered a REC and VEC to the Site.

Leavenworth, City of, Garage/City Garage/Leavenworth Municipal Garage Area was identified in the Superfund Enterprise Management System - Archive (SEMS-ARCHIVE), leaking underground storage tank (LUST), UST, Resource Conservation Recovery Act - Non Generator/No Longer Listed (RCRA-NONGEN/NLR) databases and was previously located northeast and cross-gradient to down-gradient of the Site at South 3rd and Marion Street. EWI requested documentation from KDHE and the City of Leavenworth regarding former operations and investigations at the facility. A LUST incident was reported for the facility in February 1991 in response to the removal of a 6,000-gallon fuel oil UST. A LUST incident was also reported in November 1992 when a 300-gallon waste oil UST and associated lines were removed from the facility. KDHE provided Buried Tank Leak Assessments (BTLAs) for both incidents and no leaking or contamination surrounding the USTs were reported; however, no sampling was conducted to confirm or deny impact to the subsurface. These incidents are closed. No information was provided regarding location of the former USTs. The facility has been listed as a non-generator since 2003 but was historically a small-guantity generator (SQG) in 1987 for benzene, tetrachloroethylene, spent non-halogenated solvents and ignitable waste. EWI reviewed a compliance inspection conducted at the facility in September 1991. The inspection identified employees disposing of paint waste and paint contaminated thinner by dumping the material on the ground north of the sign shop. Visibly contaminated soil was observed in this area. Evidence of waste paint and paint thinner was also observed being dumped into a storm drain near the sign shop which discharges to the east adjoining Fivemile Creek. In December 1991, soil samples were collected from 6 inches bgs and 18-24

inches bgs from six locations north of the sign shop. Based on a sampling map provided by KDHE, EWI determined that the sign shop was located approximately 135 feet northeast of the Site. The samples were composited into two samples (one 6 inch and one 18-24 inch sample) and analyzed for RCRA 8 metals, toxicity characteristic leaching procedure (TCLP) Organic Compounds and volatile organic compounds (VOCs). 1,1,2,2-tetrachloroethane, chlorobenzene and xylenes were detected at 19,000 parts per billion (ppb), 12 ppb and 28 ppb respectively in the composite sample collected from 6 inches bqs. No detections were identified in the sample from 18-24 inches bqs. KDHE determined that although contamination was present at the facility, it did not meet the definition of hazardous waste; therefore, areas of visible contamination was recommended to be removed and disposed. As of April 1992, approximately 60 cubic yards of contaminated soil was reportedly removed from the adjoining property and disposed of at the Leavenworth Landfill. No confirmation sampling appears to have been conducted following the soil removal from the facility. In addition, groundwater was not evaluated during the assessment. An additional complaint was issued for the facility in 1991 which noted oil contamination in the area of the vehicle maintenance garage. Based on a review of aerial photographs, the vehicle maintenance garage likely adjoined the Site to the northeast from at least 1970 to 1991. Vehicle storage is also depicted on the east portion of the Site in the 1985 aerial. Based on close proximity and a history of non-compliance, the City Garage formerly located on the northeast of the Site is considered a REC and VEC.

EWI also reviewed the following documentation for the Leavenworth Animal Control facility located northeast of the Site:

The City of Leavenworth provided a Field Report dated July 8, 2013 associated with the construction of the Leavenworth Animal Control (developed on the previous Leavenworth City Garage property). The report indicates that "tanks" were removed from the facility on July 2, 2013. Two of the tanks were reportedly "relocated to the northeast of the site", still on the City of Leavenworth's property. During this relocation, tank contents were reportedly spilled on the ground surface. The Field Report includes a photograph (on Page 4) that identifies "spillage" from the tank removal. The spillage appears to be northeast of the Price Chopper structure located on the subject property. A Field Report dated August 14, 2013 indicates that the tank spillage had not been cleaned up to date. In addition, tank spillage had previously been observed on standing water "north of the Price Chopper parking lot". The tanks removed during the construction of the Leavenworth Animal Control are potentially attributed to the former City Garage.

Great Western Manufacturing Co. adjoins the Site to the north and is located cross-gradient of the Site at 2017 South 4th Street and was listed as a SQG in 1993, 2000, 2003 and from 2005-2018. The facility was also listed as a large quantity generator (LQG) in 1994. The facility generates ignitable waste, chromium, benzene, methyl ethyl ketone, tetrachloroethylene, trichlorethylene and spent non-halogenated solvents. No violations have been reported. According to documentation provided, the facility manufacturers sieves and sifters used in the flour industry. KDHE provided documentation associated with a Hazardous Waste Compliance Assistance Visit (CAV) in 2012. Various deficiencies were cited during the visit; however, these do not appear to have impact on the subject property. EWI also reviewed historical inspections dated 1987 which indicate that waste paint and spent paint booth filters were historically being disposed of in the dumpster. At the time of the inspection, Safety-Kleen was disposing of waste solvent associated with onsite parts washing; however, correspondence states that the facility previously dumped waste solvent on the ground or in the trash. The timeframe associated with the practice of improper solvent dumping is unknown. Based on the close proximity of the facility and history of solvent dumping, the facility has potential to impact the subject property and is considered a REC and VEC.

Casey's General Store - #2826, located 100 feet west and up-gradient of the Site at 2100 South 4th Street currently utilizes a 20,000-gallon gasoline UST, a 12,000-gallon gasoline UST and a 8,000-gallon diesel UST installed in 2009. EWI submitted a request for additional information from KDHE and received documentation including registration and installation of the USTs. In addition, EWI reviewed correspondence dated June 29, 2010, August 3, 2010, July 12, 2011 in which KDHE noted that they had not received satisfactory inventory control records and/or monthly monitoring reports for release detection. Additional correspondence dated May 13, 2014, June 25, 2014, March 21, 2018, March 19, 2019, April 29, 2019 and May 20, 2019 indicate missing function tests for onsite USTs. EWI also reviewed UST inspections conducted by KDHE on November 4, 2011, March 28, 2013, April 18, 2017 and April 1, 2019 which indicated excess fluid in spill bucket. No other violations noted except for minor repairs. Although the facility has a history of missing compliance records, no releases or significant violations have been identified. Based on lack of identified releases, the facility does not pose a REC to the Site.

11.3 Site Reconnaissance Summary

The Site is currently occupied by a Price Chopper grocery store.

EWI observed three (3) underground grease traps present in the kitchen areas at the Site. According to Site Manager, Mr. Rory Knight, these grease traps are maintained by a third party on a regular basis. No issues were noted with the grease traps.

EWI observed a hydraulic box compactor in the back storage/stock area in the southeast corner of the structure. According to Mr. Knight, the machinery is maintained by a third party and he was not aware of any leaks or issues with the compactor. EWI also observed a trash compactor on the north side of the structure with oil staining on the equipment and asphalt beneath the compactor. The staining appeared to be minimal and no cracks in the asphalt or drains were observed in the area; on this basis, the staining is considered a de minimis condition.

EWI observed pole-mounted transformers throughout the Site. Three (3) pole-mounted transformers were observed on the northern property boundary, one (1) pole-mounted transformer was observed in the southwest corner of the Site, and four (4) pole-mounted transformers were observed south of the

Price Chopper structure. No decals were noted indicating PCB contents. No evidence of release was identified on the casings or ground beneath. In addition, EWI observed three (3) transformers on a platform east of the structure. EWI observed minor staining on the platform beneath the transformers. No evidence of release was observed on the ground beneath.

A receptacle labeled "used cooking oil" was located in the back storage/stock area in the southeast corner of the structure. According to Mr. Knight, the used cooking oil is picked up by a third party contractor on a regular basis.

During the Site reconnaissance, EWI observed an automotive salvage yard east of the Site. According to historical documentation, the automotive salvage yard, identified in the city directories as Lakes Auto Salvage, has adjoined the Site to the east since as early as 1963. Vehicle storage is also visible onsite in the 1966 and 1985 aerial photographs. Based on close proximity in addition to potential operation onsite, the automotive salvage yard is a REC and VEC to the Site.

12.0 CONCLUSIONS AND OPINIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM E 1527-13 of the Price Chopper Property located at 2107 South 4th Street in Leavenworth, Leavenworth County, Kansas (the subject property or Site). The Vapor Encroachment Screening practices were conducted in accordance with ASTM E 2600-15. Any exceptions to, or deletions from, this standard are described in Section 10.0 of this report.

The following RECs and VECs were identified for the subject property during this assessment:

1. An automotive salvage yard, identified in the city directories as Lakes Auto Salvage, has adjoined the Site to the east since as early as 1963. Vehicle storage is also visible onsite in the 1966 and 1985 aerial photographs. Based on the close proximity in addition to potential operation onsite, the automotive salvage yard is considered a REC and VEC to the Site.

2. A former landfill (City of Leavenworth Old City Landfill, City of Leavenworth 2nd & Limit Dump) was previously located north/northeast of the Site and was closed by approximately 1970. No information was available regarding sampling or investigation of the former landfill. Based on close proximity and the landfill's operation prior to environmental regulation, the facility is considered a REC and VEC to the Site.

3. Leavenworth City Garage was previously located northeast of the Site at South 3rd and Marion Street. Various USTs have been removed from the facility with no information regarding location or sampling to confirm or deny impact to the subsurface. In addition, a history of non-compliance has been identified at the facility including visible oil contamination and disposing of paint waste and paint contaminated thinner on the ground and into a storm drain which discharges to the east adjoining Fivemile Creek. Although visibly contaminated soil was reportedly removed and disposed, no confirmation sampling appears to have been conducted following the removal of the contaminated soil. In addition, groundwater was not evaluated during the assessment. The area is currently occupied by Leavenworth Animal Control. A Field Report dated July 8, 2013 provided by the City of Leavenworth indicates that "tanks" were removed from the facility on July 2, 2013. Two of the tanks were reportedly "relocated to the northeast of the site", still on the City of Leavenworth's property. During this relocation, tank contents were reportedly spilled on the ground surface. Tank spillage had previously been observed on standing water "north of the Price Chopper parking lot". The tanks removed during the construction of the Leavenworth Animal Control are potentially attributed to the former City Garage. Based on close proximity and a history of non-compliance, the City Garage poses a REC and VEC to the Site.

4. Great Western Manufacturing Co. adjoins the Site to the north at 2017 South 4th Street. A historical inspection dated 1987 indicates that waste paint and spent paint booth filters were historically being disposed of in the dumpster at the facility. The facility also previously dumped

waste solvent on the ground or in the trash. The timeframe associated with the practice of improper solvent dumping is unknown. Based on the close proximity of the facility and history of solvent dumping, the facility has potential to impact the subject property and is considered a REC and VEC.

Based on a review of results from the 1989 Phase II ESA, petroleum impacts were detected in shallow soil and concentrations of metals and semi-volatile compounds were detected in groundwater along the northeast portion of the Site. These impacts were potentially attributed to nearby industrial uses including the former landfill, auto salvage and Leavenworth Service Center (also identified as the City Garage). In our opinion, additional investigation is recommended to evaluate the Site for subsurface impacts as a result of the RECs and VECs identified during this Phase I ESA.

13.0 QUALIFICATIONS OF THE PERSONNEL PARTICIPATING IN THIS PHASE I ESA

An environmental professional, according to ASTM E 1527-13, is a person meeting the education, training, and experience requirements as set forth in 40 CFR 312.10(b). All personnel assisting in the research, Site reconnaissance and composition of this Phase I ESA, who do not meet the definition of an environmental profession, worked under the direct supervision of the environmental professional.

We declare that, to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in 312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

14.0 SIGNATURES AND CERTIFICATIONS OF THE PERSONNEL RESPONSIBLE FOR THIS REPORT

We certify, by our signatures, the information submitted in this report to be true and accurate to the best of our knowledge. Resumes for these individuals are included as Appendix G of this report.

Mude Jourseury

Nicole Lounsberry Associate Scientist

Amanda K Flagealle

Mandy Flageolle Environmental Professional

15.0 REFERENCES

ASTM International, Standard E 1527-13, Standard Practice for Phase I Environmental Site Assessments: Phase I Environmental Site Assessment Process.

ASTM International, Standard E2600-15, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

City of Leavenworth City Clerk, Ms. Carla Williamson, cwilliamson@firstcity.org

City of Leavenworth GIS, https://gis.firstcity.org/

Environmental Data Resources (EDR), https://www.web.edrnet.com/ordering/switchboard/login.aspx

GoogleEarth®, https://www.google.com/earth

KDHE - Bureau of Air, Ms. Cindy Moon, cmoon@kdheks.gov

KDHE - Bureau of Environmental Remediation, Ms. Anna Hernandez, <u>AMHernandez@kdheks.gov</u>

KDHE - Bureau of Waste Management, Ms. Linda Dale, Debbie.Lusby@ks.gov

KDHE - Bureau of Water, Ms. Chris Seeds, CSeeds@kdheks.gov

KDHE Environmental Interest Finder, https://maps.kdhe.state.ks.us/keif/

KDHE Identified Sites List, http://kensas.kdhe.state.ks.us/plsISL/ISL Pub Search

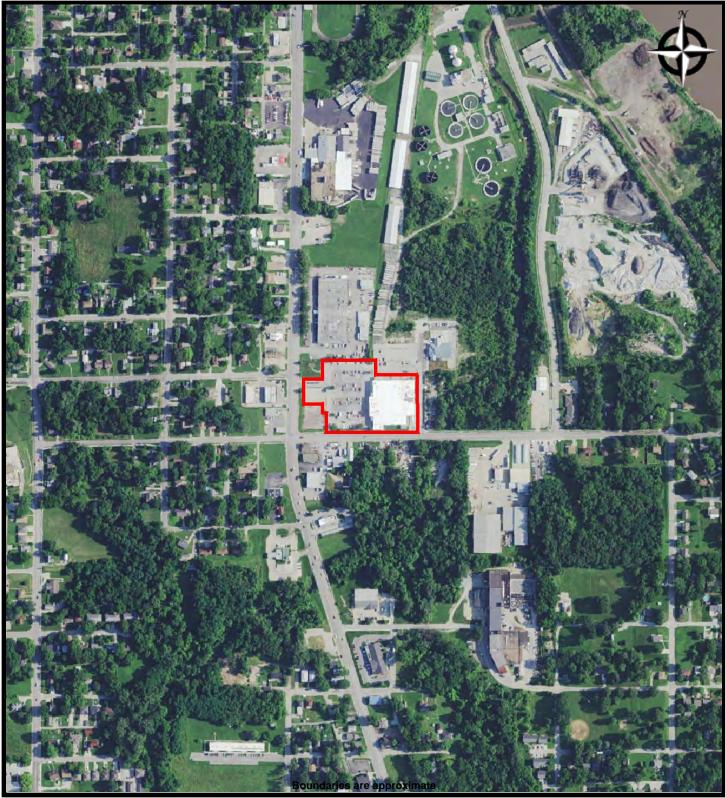
KDHE Open Records Request Website, http://www.kdheks.gov/open_records.html

KDHE Spill Database, http://maps.kdhe.state.ks.us/ksberspill/

Leavenworth County GIS, https://leavenworthgis.integritygis.com/H5/Index.html?viewer=leavenworth

United States Environmental Protection Agency Enforcement and Compliance History Online (ECHO), <u>http://echo.epa.gov/?redirect=echo</u>

List of Figures

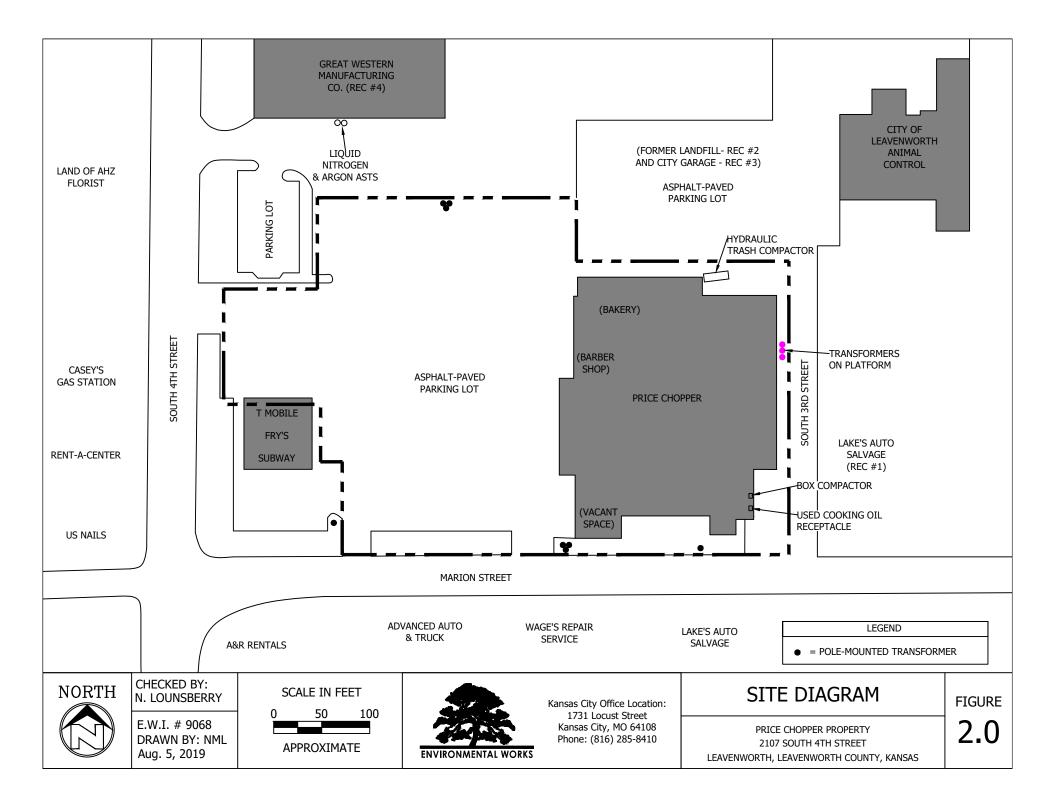


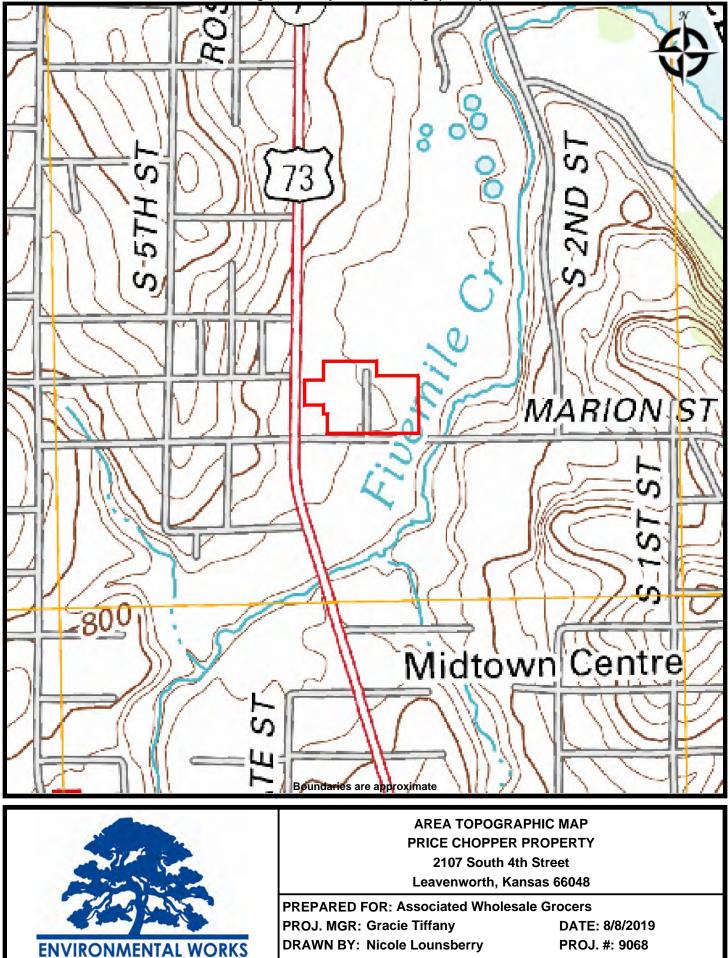


SITE LOCATION MAP PRICE CHOPPER PROPERTY 2107 South 4th Street Leavenworth, Kansas 66048

PREPARED FOR: Associated Wholesale GrocersPROJ. MGR: Gracie TiffanyDATEDRAWN BY: Nicole LounsberryPROJ

DATE: 8/8/2019 PROJ. #: 9068





Appendix A

Scope of Work

ENVIRONMENTAL WORKS, INC. SCOPE OF WORK FOR PHASE I ENVIRONMENTAL ASSESSMENT (ASTM E 1527-13)

I. USER RESPONSIBILITIES

The user(s)/client(s) will be responsible for providing the following information:

a. Title records for information regarding past ownership, a legal description for the Site, environmental liens, land use limitations, site diagram, site contact information, completed client checklist, any environmentally related valuation reductions for the property, and reason for performing the Phase I ESA.

II. SITE RECONNAISSANCE

The site reconnaissance will include a visual survey of the accessible areas of the Site. The client will arrange for permission to enter and view the Site. The following activities are included:

- a. Attempt to interview persons familiar with the historical and current uses of the Site, including the current and/or previous owner, occupants, and potentially past and present employees and/or neighbors.
- b. Review of design drawings, as-built drawings, and site surveys, if available, for septic systems, storage tanks (underground and aboveground), storm drains, and sewer drains.
- c. Visual observations on the Site for evidence of historical and present use that may contribute to environmental risk. Observe conditions that suggest a past or potential release of hazardous substances and any chemical use, storage, treatment, or disposal practices which may have impacted the environment. Identify stressed vegetation, stained soils, surface impoundments, maintenance area, storage tanks, and other materials storage areas.
- d. Visual identification of equipment and structures that are commonly known to contain polychlorinated biphenyls (PCB's) including electrical and hydraulic equipment.
- e. Observation and description of current land uses on adjoining properties to assess potential environmental impacts to the Site.
- f. Observe adjacent properties for any items or actions which may adversely affect the Site.
- g. Photographs documenting the site reconnaissance will be included.

III. HISTORICAL RESEARCH

This task is intended to identify past ownership and land use that may be relevant in identifying potential environmental risks associated with the Site. The following may be included:

- a. Review of available aerial photographs that reflect prior uses of the Site and surroundings.
- b. Review of as many of the following sources as is necessary, available, and/or reasonably ascertainable: Sanborn Fire Insurance Maps, city directories, property tax files, USGS 7.5 minute Topographic Maps, building department records, zoning/land use records, recorded land title records or other historical resources for evidence of previous land use.
- c. Review of facility operational records to identify materials used, stored, and disposed during operations for the Site and at times the adjoining properties.

IV. AGENCY RECORDS REVIEW

a. Review of available pertinent federal, state and local government agency records which include, but are not limited to, these agencies:

Federal lists for the NPL, CERCLIS, RCRA CORRACTS, RCRA TSD, RCRA generators, UST, LUST, SPL, and ERNS (and their state equivalents) Missouri Department of Natural Resources (including Hazardous Waste and UST Offices) or their equivalents for other states Weights and Measures for aboveground storage tanks (for Missouri facilities) and its equivalent for other states Local Public Works, as applicable Local Fire Department Local Health Department (city and/or county offices), as applicable Local Utilities Other applicable agencies

b. Items researched for the subject property will include:

Storage tank registrations Hazardous waste generators Locations of abandoned and existing solid and hazardous waste landfills/dumps Pending or past enforcement actions against the Site Spills that have occurred on or near the Site Permits issued to the Site regarding environmental activities Wastewater discharge activities Water well locations/status

V. FINAL REPORT

A formal report will be prepared to address the following items:

- a. An executive summary, opinions, findings, conclusions, and recommendations of the study and applicable results.
- b. Complete description of activities conducted.
- c. A summary of information gathered from the site reconnaissance, historical research, and agency records review including past and present owners/operators/occupants; interview findings, and record findings.
- d. A summary of potential environmental risks discovered during the assessment. These may include recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), vapor encroachment conditions (VECs), and business environmental risks.

Phase I report content shall remain consistent with the ASTM E 1527-13 requirements. The Phase I report content will be updated in compliance with the latest standard of ASTM E 1527 as new versions are released and as applies to information dissemination.

EWI will provide the report electronically via Internet delivery unless other arrangements are made prior to the project deadline. EWI can also provide hard copies and/or copies on a compact disk (CD) of the report. Standard report delivery is through US Mail; additional fees may apply for alternate delivery means. Hard copies of the report will be available to the client for a fee of \$35 per copy.

Appendix B

User-Provided Information



ASTM E 1527-13 defines a *user* as a person seeking an environmental site assessment (ESA) of the subject property. A user may include, without limitation, a potential purchaser of the subject property, a potential tenant of the subject property, an owner of the subject property, a lender, or a Site manager.

The user has specific obligations for having an ESA completed as set forth in ASTM E 1527-13, Section 6. In accordance with that Section, this form requests information the client/user must provide to the environmental professional/consultant. *Note: if additional space is needed see page 3 and/or include separate documents.*

- Please provide information regarding the reason the Phase I ESA will be performed (may include due diligence, innocent landowner defense, business environmental risk, etc.).
 Due Diligence
- 2. Please describe the current use(s) of the subject property. **Grocery store**

3. Please describe the type of property transaction involved (refinance, purchase, sale, exchange, etc.). **Sale**

4. Please provide the complete and correct address of the subject property. If an address is not available for the subject property, please provide a map or other documentation showing the location and boundaries of the Site. <u>A legal description of the property is also required</u>.

2107 S 4th St, Leavenworth, KS 66048

5. Please provide information regarding any title search information, liens, and/or environmental cleanup liens on the subject property. If there are none, please state so.

Unknown

6. Please provide information regarding any activity and/or land use limitations (such as engineering or institutional controls) in place at the subject property. If there are none, please state so.

Unknown

7. Has the value of the subject property reduced below the price of comparable properties? If yes, please provide information regarding this reduction. Is the reason due to an environmental condition of the subject property? If so, please disclose any environmental information you have regarding the Site. This information may be important to the Environmental Professional/Consultant.

Unknown

 Please review the attached Scope of Work for the Phase I ESA, should any additions or deletions be required to meet your needs, provide the necessary information and the amendment(s) can be made. This Scope of Work, including any additions or deletions you require, will be included in the Phase I ESA report.

noted



9. Please identify all parties who will rely on/use the Phase I ESA and their (past, current, and future) relationship with the subject property. Please provide proper names and complete company names, etc.

Super market Developers, Inc

10. Please provide information regarding Site contact, owner information, and how each party can be reached.

Unknown

11. Please provide any special terms and conditions you require for the Phase I ESA. These terms and conditions must be agreed upon by the environmental professional/consultant and the client, <u>prior to project initiation</u>.

none

12. Please provide <u>any and all knowledge or experience</u> you have regarding the subject property. This may include past uses of the property, previous Environmental Assessments, documents, correspondence, chemicals currently or previously present at the site, and chemical spills or cleanups that have taken place at the subject property or its neighbors, or any other information regarding the Site and/or its environmental condition.

No knowledge of property

13. As the Phase I ESA User, based on your knowledge and experience related to the subject property, are there any obvious indicators that point to the presence or likely presence of contamination on the Site?

Unknown

14. EWI will provide the report electronically via Internet delivery. EWI can also provide hard copies of the final report. Hard copies are available at \$35.00 each. Please tell us how many copies of the report you prefer.

In addition, I would like 0 Hard Copies, at \$35 each.

I would like copies of the report in another format, as stated in the comments section on p 3.

15. **Please note:** Unless otherwise advised, EWI will include recommendations in the body of the text. I would like: (•) recommendations included in the report.

recommendations separate from the report.

)no recommendations.

Are additional documents attached to this Client Checklist?	Yes (🗩 N	ю
Please describe the attachments:	0	$\mathbf{\mathcal{I}}$	



Please describe any additional comments or further explanation to checklist questions:

Respondent(s)

Name: Joel RiggsOrganization:Super Market Developers, IncAddress:5000 Kaunas Ave KCK 66106Telephone:(913) 288-1004e-Mail:joel.riggs@awginc.comSignature:Joel RiggsPlease return to: Environmental Works, Inc.

Title: Executive Director

Note: typing your name into the signature field may serve as your signature on this form.

Date: 07/23/2019

Client Checklist

Appendix C

EDR Radius Map Report with GeoCheck

2107 South 4th Street

2107 South 4th Street Leavenworth, KS 66048

Inquiry Number: 05723933.2r July 22, 2019

The EDR Radius Map[™] Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBC-JUS

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Thank you for your business. Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2107 SOUTH 4TH STREET LEAVENWORTH, KS 66048

COORDINATES

Latitude (North):	39.2956710 - 39° 17' 44.41"
Longitude (West):	94.9076370 - 94° 54' 27.49"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	335493.7
UTM Y (Meters):	4351114.5
Elevation:	779 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 5687559 LEAVENWORTH, KS 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: Source:

20150629, 20150712 USDA

Target Property Address: 2107 SOUTH 4TH STREET LEAVENWORTH, KS 66048

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEAVENWORTH, CITY OF	2101 S 3RD	KS UST	Lower	1 ft.
A2	LEAVENWORTH MUNICIPA	3RD & MARION	SEMS-ARCHIVE, RCRA NonGen / NLR	Lower	1 ft.
3	CITY GARAGE	3RD & MARION (2101 S	KS LUST	Lower	61, 0.012, SE
B4	CASEY'S GENERAL STOR	2100 S. 4TH STREET	KS UST, KS Financial Assurance	Higher	117, 0.022, West
B5	CASEYS GENERAL STORE	2100 S 4TH ST	EDR Hist Auto	Higher	117, 0.022, West
6	ADVANCE AUTOMOTIVE	319 MARIAN	RCRA-CESQG, FINDS, ECHO	Higher	128, 0.024, SW
7	CENTURY VAN LINES IN	211 MARION	RCRA-CESQG, KS LUST, KS UST, FINDS, ECHO, KS	Higher	392, 0.074, ESE
8	GREAT WESTERN MFG CO	2017 S 4TH	RCRA-SQG, US AIRS	Higher	406, 0.077, NNW
C9	CITY OF LEAVENWORTH		KS SWF/LF	Lower	624, 0.118, NNE
C10	CITY OF LEAVENWORTH		KS CITY DUMPS	Lower	624, 0.118, NNE
D11	CONOCO	1924 S FOURTH ST	EDR Hist Auto	Higher	634, 0.120, NNW
D12	SACO PETROLEUM	1924 S 4TH	KS UST	Higher	634, 0.120, NNW
D13	GNB INCORPORATED	1901 S 4TH ST	KS LUST, KS UST	Higher	758, 0.144, NNW
D14	TIRE TOWN, INC.	1850 S. 4TH STREET	KS SWF/LF	Higher	866, 0.164, NNW
D15	TIRE TOWN, INC.	1850 S. 4TH ST.	KS SWF/LF	Higher	866, 0.164, NNW
D16	SACO SERVICE STATION	1824 S 4TH	KS LUST	Higher	892, 0.169, NNW
D17	O'REILLY AUTO PARTS	1824 SOUTH FOURTH ST	RCRA-CESQG, FINDS, ECHO	Higher	892, 0.169, NNW
E18	LEAVENWORTH ASPHALT	1901 S. 2ND ST.	KS AST	Higher	925, 0.175, NE
E19	LEAVENWORTH EXCAVATI	1901 S 2ND ST.	KS AST	Higher	925, 0.175, NE
20	BESEL ROOFING & HEAT	300 SANTA FE	KS LUST, KS UST, KS Financial Assurance	Higher	966, 0.183, SSE
F21	GNB BATTERIES	1825 SOUTH FOURTH ST	KS SHWS, KS VCP	Higher	1184, 0.224, NNW
F22	GNB BATTERIES, INC.	1825 SOUTH FOURTH ST	KS SHWS, KS INST CONTROL	Higher	1184, 0.224, NNW
F23	GNB BATTERIES INC	1901 S 4TH ST	SEMS-ARCHIVE, RCRA-CESQG	Higher	1184, 0.224, NNW
F24	DGS, L.L.C.	1825 S. FOURTH	KS AST	Higher	1184, 0.224, NNW
G25	AMERICAN ROOFING	2500 S 2ND (B)	RCRA NonGen / NLR, FINDS, ECHO	Higher	1253, 0.237, SE
G26	PROPERTY MGMT & MAIN	2500 S 2ND (A)	RCRA NonGen / NLR, FINDS, ECHO	Higher	1253, 0.237, SE
H27	MISSOURI RIVER DISPO		KS CITY DUMPS	Higher	1274, 0.241, East
H28	MISSOURI RIVER DISPO		KS SWF/LF	Higher	1276, 0.242, East
129	LEAVENWORTH WWTP	1800 S 2ND	RCRA NonGen / NLR	Lower	1296, 0.245, NE
30	CITY OF LEAVENWORTH-		KS CITY DUMPS	Higher	1368, 0.259, SSE
I31	CITY OF LEAVENWORTH	1803 SOUTH 2ND	KS SWF/LF	Lower	1449, 0.274, NE
132	MIDLAND FUMIGANTS	1801 S. 2ND STREET	KS SHWS	Lower	1470, 0.278, NE
133	MIDLAND FUMIGANTS IN	1801 S. 2ND ST	SEMS-ARCHIVE, PRP	Lower	1470, 0.278, NE
34	CITY OF LEAVENWORTH-		KS CITY DUMPS	Lower	1652, 0.313, NE
35	LEAVENWORTH SERVICE	1820 2ND AVE	KS LUST, KS UST	Higher	1896, 0.359, NW
36	CITY OF LEAVENWORTH		KS CITY DUMPS	Higher	2328, 0.441, SSE
J37	LEAVENWORTH COUNTY E	4TH & LIMIT STREETS	KS LUST, KS UST	Higher	2346, 0.444, South
J38	DAYLIGHT DONUTS	2906 S. 4TH ST.	KS LUST	Higher	2579, 0.488, South
K39	BLOCK PROPERTY #2		KS SHWS	Higher	4311, 0.816, SSE

Target Property Address: 2107 SOUTH 4TH STREET LEAVENWORTH, KS 66048

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
K40	SONNY HILL JEEP EAGL	3501 S 4TH	KS SHWS, KS VCP	Higher	4312, 0.817, SSE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL	National Priority List
	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL_____ National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY______ Federal Facility Site Information listing SEMS______ Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS_____ Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG_____ RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS_____ Land Use Control Information System US ENG CONTROLS_____ Engineering Controls Sites List US INST CONTROL_____ Sites with Institutional Controls

Federal ERNS list

ERNS_____ Emergency Response Notification System

State- and tribal - equivalent CERCLIS

MO SHWS...... Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State and tribal landfill and/or solid waste disposal site lists

MO SWF/LF..... Permitted Facility List

State and tribal leaking storage tank lists

KS LAST	Leaking Aboveground Storage Tanks
	Leaking Aboveground Storage Tanks
	Leaking Underground Storage Tanks
	Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
MO UST	Petroleum Storage Tanks
	Aboveground Petroleum Storage Tanks
	Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP	Voluntary Cleanup Priority Listing
MO VCP	Voluntary Cleanup Program Site Listing

State and tribal Brownfields sites

KS BROWNFIELDS	Identified Sites List
MO BROWNFIELDS	Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS	

Local Lists of Hazardous waste / Contaminated Sites

KS AOCONCERN	Area of Concern
US HIST CDL	Delisted National Clandestine Laboratory Register
KS CDL	Clandestine Laboratory Data
MO CDL	Environmental Emergency Response System
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

KS SPILLS	Kansas Spills Database
MO SPILLS.	Environmental Response Tracking Database

Other Ascertainable Records

DOD. Department of Defense Sites SCRD DRYCLEANERS. State Coalition for Remediation of Drycleaners Listing US FIN ASSUR. Financial Assurance Information EPA WATCH LIST. EPA WATCH LIST 2020 CCR ACTION. 2020 CCR ACTION. 2020 CCR ACTION. 2020 CCR Chemical Release Inventory System STSL. Section 7 Tracking Systems ROD. Records Of Decision RMP. Risk Management Plans RAATS. PCB Activity Database System PADS. PCB Activity Database System ICIS. Integrated Compliance Information System FTTS FIFRA/ TSCA Tracking System Solution MLTS Material Licensing Tracking System COAL ASH DOE Steam-Electric Plant Operation Data COAL ASH DOE Readiation Information Database RADINFO. Rediation Information Database RADINFO. Rediation Information Database NDIAN RESERV. Incident and Accident Data CONSENT Superfund (CERCLA) Consent Decrees INDIAN RESERV. Indiane Reservations FUSRAP. Formerly Utilized Sites Remedial Action Program UMTRA. Ura	FUDS	Formerly Used Defense Sites
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UXOUnexploded Ordnance SitesFUELS PROGRAMEPA Fuels Program Registered ListingKS AIRSTitle V Source InformationMO AIRSPermit Facility ListingKS COAL ASHCoal Ash Disposal Site ListingMO COAL ASHCoal Ash Disposal SitesKS DRYCLEANERSRegistered Drycleaning FacilitiesMO DRYCLEANERSDrycleaners in Missouri ListingMO Financial AssuranceFinancial Assurance Information ListingKS NPDESWastewater Permit ListingMO NPDESPermitted Facility Listing	ABANDONED MINES	Abandoned Mines
FUELS PROGRAM.EPA Fuels Program Registered ListingKS AIRS.Title V Source InformationMO AIRS.Permit Facility ListingKS COAL ASH.Coal Ash Disposal Site ListingMO COAL ASH.Coal Ash Disposal SitesKS DRYCLEANERS.Registered Drycleaning FacilitiesMO DRYCLEANERS.Drycleaners in Missouri ListingMO Financial Assurance.Financial Assurance Information ListingKS NPDES.Wastewater Permit ListingMO NPDES.Permitted Facility Listing	DOCKET HWC	- Hazardous Waste Compliance Docket Listing
KS AIRS	UXO	. Unexploded Ordnance Sites
MO AIRS Permit Facility Listing KS COAL ASH Coal Ash Disposal Site Listing MO COAL ASH Coal Ash Disposal Sites KS DRYCLEANERS Registered Drycleaning Facilities MO DRYCLEANERS Drycleaners in Missouri Listing MO Financial Assurance Financial Assurance Information Listing KS NPDES Wastewater Permit Listing MO NPDES Permitted Facility Listing		
KS COAL ASH Coal Ash Disposal Site Listing MO COAL ASH Coal Ash Disposal Sites KS DRYCLEANERS Registered Drycleaning Facilities MO DRYCLEANERS Drycleaners in Missouri Listing MO Financial Assurance Financial Assurance Information Listing KS NPDES Wastewater Permit Listing MO NPDES Permitted Facility Listing	KS AIRS	Title V Source Information
MO COAL ASH Coal Ash Disposal Sites KS DRYCLEANERS Registered Drycleaning Facilities MO DRYCLEANERS Drycleaners in Missouri Listing MO Financial Assurance Financial Assurance Information Listing KS NPDES Wastewater Permit Listing MO NPDES Permitted Facility Listing		
KS DRYCLEANERS	KS COAL ASH	Coal Ash Disposal Site Listing
MO DRYCLEANERS Drycleaners in Missouri Listing MO Financial Assurance Financial Assurance Information Listing KS NPDES Wastewater Permit Listing MO NPDES Permitted Facility Listing	MO COAL ASH	Coal Ash Disposal Sites
MO Financial Assurance Financial Assurance Information Listing KS NPDES Wastewater Permit Listing MO NPDES Permitted Facility Listing		
KS NPDES Wastewater Permit Listing MO NPDES Permitted Facility Listing		
MO NPDES Permitted Facility Listing		
KS TIER 2 Tier 2 Information Listing	KS TIER 2	Tier 2 Information Listing
KS UIC Underground Injection Wells Database Listing		
	MO UIC	. Underground Injection Wells Database
	MO UIC	Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

KS RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
MO RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
KS RGA LF	. Recovered Government Archive Solid Waste Facilities List
MO RGA LF	Recovered Government Archive Solid Waste Facilities List
KS RGA LUST	Recovered Government Archive Leaking Underground Storage Tank
MO RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/11/2019 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GNB BATTERIES INC Site ID: 0700472 EPA Id: KSD007150477	1901 S 4TH ST	NNW 1/8 - 1/4 (0.224 mi.)	F23	74
Lower Elevation	Address	Direction / Distance	Map ID	Page
LEAVENWORTH MUNICIPA	3RD & MARION	0 - 1/8 (0.000 mi.)	A2	10

Site ID: 0700623 EPA Id: KSD980632210

MIDLAND FUMIGANTS IN Site ID: 0705346 EPA Id: KSN000705346 1801 S. 2ND ST

NE 1/4 - 1/2 (0.278 mi.) I33

95

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREAT WESTERN MFG CO	2017 S 4TH	NNW 0 - 1/8 (0.077 mi.)	8	28
EPA ID:: KSD007136872				

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/25/2019 has revealed that there are 4 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ADVANCE AUTOMOTIVE EPA ID:: KS0000792291	319 MARIAN	SW 0 - 1/8 (0.024 mi.)	6	19
CENTURY VAN LINES IN EPA ID:: KSD984993535	211 MARION	ESE 0 - 1/8 (0.074 mi.)	7	23
O'REILLY AUTO PARTS EPA ID:: KSR547338623	1824 SOUTH FOURTH ST	NNW 1/8 - 1/4 (0.169 mi.)	D17	44
GNB BATTERIES INC EPA ID:: KSD007150477	1901 S 4TH ST	NNW 1/8 - 1/4 (0.224 mi.)	F23	74

State- and tribal - equivalent CERCLIS

KS SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state

funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health & Environment's list: Summary of Bureau of Environmental Remediation Sites in Kansas.

A review of the KS SHWS list, as provided by EDR, and dated 04/08/2019 has revealed that there are 5 KS SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GNB BATTERIES Facility Status: Active Project code: C405270061 Activity Status: U	1825 SOUTH FOURTH ST	NNW 1/8 - 1/4 (0.224 mi.)	F21	54
GNB BATTERIES, INC. Facility Status: Resolved with restrictions Project code: C405200022 Activity Status: C	1825 SOUTH FOURTH ST	NNW 1/8 - 1/4 (0.224 mi.)	F22	60
BLOCK PROPERTY #2 Facility Status: Resolved Project code: C405272175 Activity Status: C		SSE 1/2 - 1 (0.816 mi.)	K39	104
SONNY HILL JEEP EAGL Facility Status: Active Project code: C405270229 Activity Status: P	3501 S 4TH	SSE 1/2 - 1 (0.817 mi.)	K40	106
Lower Elevation	Address	Direction / Distance	Map ID	Page
MIDLAND FUMIGANTS Facility Status: Transferred out of the bure Project code: C405272382 Activity Status: C	1801 S. 2ND STREET au	NE 1/4 - 1/2 (0.278 mi.)	132	93

State and tribal landfill and/or solid waste disposal site lists

KS SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Health & Environment's Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collectors in Kansas.

A review of the KS SWF/LF list, as provided by EDR, and dated 04/01/2019 has revealed that there are 5 KS SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TIRE TOWN, INC. Facility Status: Active	1850 S. 4TH STREET	NNW 1/8 - 1/4 (0.164 mi.)	D14	42
TIRE TOWN, INC. Facility Status: Active	1850 S. 4TH ST.	NNW 1/8 - 1/4 (0.164 mi.)	D15	42
MISSOURI RIVER DISPO Facility Status: Closed: post-closure	e care completed/not required	E 1/8 - 1/4 (0.242 mi.)	H28	90
Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF LEAVENWORTH		NNE 0 - 1/8 (0.118 mi.)	C9	32

 Facility Status: Closed: post-closure care completed/not required

 Facility Status: Closed: post-closure care

 CITY OF LEAVENWORTH
 1803 SOUTH 2ND

 NE 1/4 - 1/2 (0.274 mi.)
 I31

 Facility Status: Active

KS CITY DUMPS: The City Dump Cleanup Program provides funds to cities or counties for the repair of old, unused municipal dump sites. These sites primarily operated between the 1940s and the 1970s before many counties had landfills and prior to the current regulations for solid waste disposal.

A review of the KS CITY DUMPS list, as provided by EDR, and dated 02/26/2019 has revealed that there are 5 KS CITY DUMPS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
MISSOURI RIVER DISPO		E 1/8 - 1/4 (0.241 mi.)	H27	90	
CITY OF LEAVENWORTH-		SSE 1/4 - 1/2 (0.259 mi.)	30	92	
CITY OF LEAVENWORTH		SSE 1/4 - 1/2 (0.441 mi.)	36	100	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
CITY OF LEAVENWORTH		NNE 0 - 1/8 (0.118 mi.)	C10	34	
CITY OF LEAVENWORTH-		NE 1/4 - 1/2 (0.313 mi.)	34	97	

State and tribal leaking storage tank lists

KS LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Kansas Department of Environmental Protection's LUST Incident Report.

A review of the KS LUST list, as provided by EDR, and dated 04/01/2019 has revealed that there are 8 KS LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address			Page	
CENTURY VAN LINES IN Facility Id: 26223 Facility Status: Closed	211 MARION			23	
GNB INCORPORATED Facility Id: 25420 Facility Status: Closed	1901 S 4TH ST	NNW 1/8 - 1/4 (0.144 mi.)	D13	38	
SACO SERVICE STATION Facility Id: 06464 Facility Status: Closed	1824 S 4TH	NNW 1/8 - 1/4 (0.169 mi.)	D16	43	
BESEL ROOFING & HEAT Facility Id: 28116 Facility Status: Closed	300 SANTA FE	SSE 1/8 - 1/4 (0.183 mi.)	20	52	
<i>LEAVENWORTH SERVICE</i> Facility Id: 25611 Facility Status: Closed	1820 2ND AVE	NW 1/4 - 1/2 (0.359 mi.)	35	98	
LEAVENWORTH COUNTY E	4TH & LIMIT STREETS	S 1/4 - 1/2 (0.444 mi.)	J37	101	

Facility Id: 27533 Facility Status: Closed				
DAYLIGHT DONUTS Facility Id: 82436 Facility Status: Closed	2906 S. 4TH ST.	S 1/4 - 1/2 (0.488 mi.)	J38	103
Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY GARAGE Facility Id: 08286 Facility Status: Closed	3RD & MARION (2101 S	SE 0 - 1/8 (0.012 mi.)	3	14

State and tribal registered storage tank lists

KS UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health & Environment's UST (Report) Listing Including Names.

A review of the KS UST list, as provided by EDR, and dated 04/01/2019 has revealed that there are 6 KS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance		Page
CASEY'S GENERAL STOR Facility Id: 30435 Tank Status: Current In Use	2100 S. 4TH STREET	W 0 - 1/8 (0.022 mi.)	B4	16
CENTURY VAN LINES IN Facility Id: 26223 Tank Status: Permanently Out Of Use	211 MARION	ESE 0 - 1/8 (0.074 mi.)	7	23
SACO PETROLEUM Facility Id: 06464 Tank Status: Permanently Out Of Use	1924 S 4TH	NNW 0 - 1/8 (0.120 mi.)	D12	34
GNB INCORPORATED Facility Id: 25420 Tank Status: Permanently Out Of Use	1901 S 4TH ST	NNW 1/8 - 1/4 (0.144 mi.)	D13	38
BESEL ROOFING & HEAT Facility Id: 28116 Tank Status: Permanently Out Of Use	300 SANTA FE	SSE 1/8 - 1/4 (0.183 mi.)	20	52
Lower Elevation	Address	Direction / Distance	Map ID	Page
LEAVENWORTH, CITY OF Facility Id: 08286 Tank Status: Permanently Out Of Use	2101 S 3RD	0 - 1/8 (0.000 mi.)	A1	8

KS AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Health & Environment's AST (Report) Listing Including Names.

A review of the KS AST list, as provided by EDR, and dated 04/01/2019 has revealed that there are 3 KS AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEAVENWORTH ASPHALT Facility Id: 44703 Tank Status: Current In Use	1901 S. 2ND ST.	NE 1/8 - 1/4 (0.175 mi.)	E18	47
LEAVENWORTH EXCAVATI Facility Id: 44692 Tank Status: Current In Use	1901 S 2ND ST.	NE 1/8 - 1/4 (0.175 mi.)	E19	51
DGS, L.L.C. Facility Id: 43356 Tank Status: Permanently Out Of Use	1825 S. FOURTH	NNW 1/8 - 1/4 (0.224 mi.)	F24	78

State and tribal institutional control / engineering control registries

KS INST CONTROL: Sites that have institutional control information entered into the Identified Sites List database.

A review of the KS INST CONTROL list, as provided by EDR, and dated 04/08/2019 has revealed that there is 1 KS INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
GNB BATTERIES, INC. Project Code: C405200022	1825 SOUTH FOURTH ST	NNW 1/8 - 1/4 (0.224 mi.)	F22	60	
Site ID: 1065					

State and tribal voluntary cleanup sites

KS VCP: Sites included in the Identified Sites List that are identified as Voluntary Cleanup sites.

A review of the KS VCP list, as provided by EDR, and dated 04/08/2019 has revealed that there is 1 KS VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GNB BATTERIES Site Status: A Project code: C405270061	1825 SOUTH FOURTH ST	NNW 1/8 - 1/4 (0.224 mi.)	F21	54

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/25/2019 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Iress Direction / Distance		Page
AMERICAN ROOFING EPA ID:: KSR000009571	2500 S 2ND (B)	SE 1/8 - 1/4 (0.237 mi.)	G25	84
PROPERTY MGMT & MAIN EPA ID:: KSD984993840	2500 S 2ND (A)	SE 1/8 - 1/4 (0.237 mi.)	G26	87
Lower Elevation	Address	Direction / Distance	Map ID	Page
LEAVENWORTH MUNICIPA EPA ID:: KSD980632210	3RD & MARION	0 - 1/8 (0.000 mi.)	A2	10
LEAVENWORTH WWTP EPA ID:: KSD000639542	1800 S 2ND	NE 1/8 - 1/4 (0.245 mi.)	129	91

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CASEYS GENERAL STORE	2100 S 4TH ST	W 0 - 1/8 (0.022 mi.)	B5	19
CONOCO	1924 S FOURTH ST	NNW 0 - 1/8 (0.120 mi.)	D11	34

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

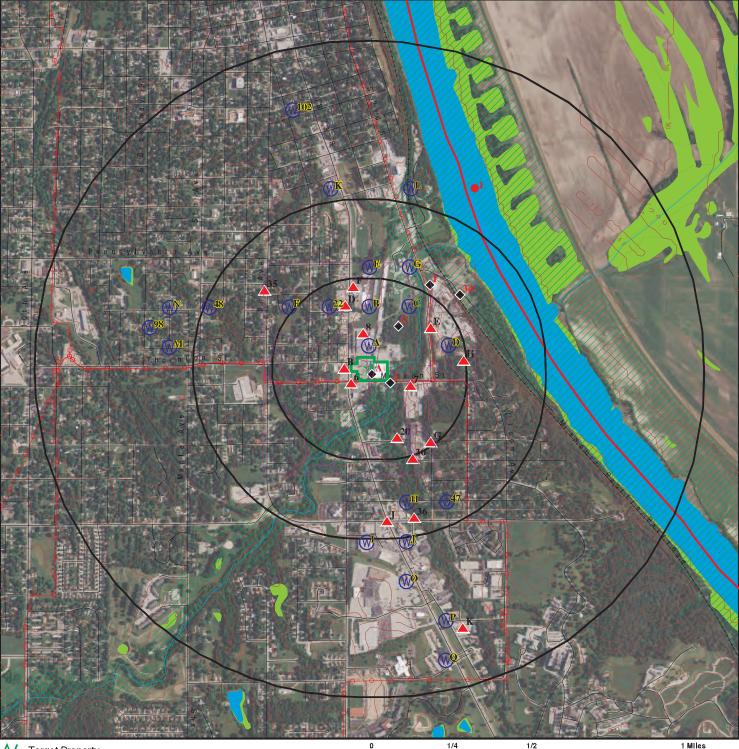
Site Name

MISSOURI RIVER BRUSH & RUBBLE DSPL

Database(s)

SEMS-ARCHIVE

OVERVIEW MAP - 05723933.2R



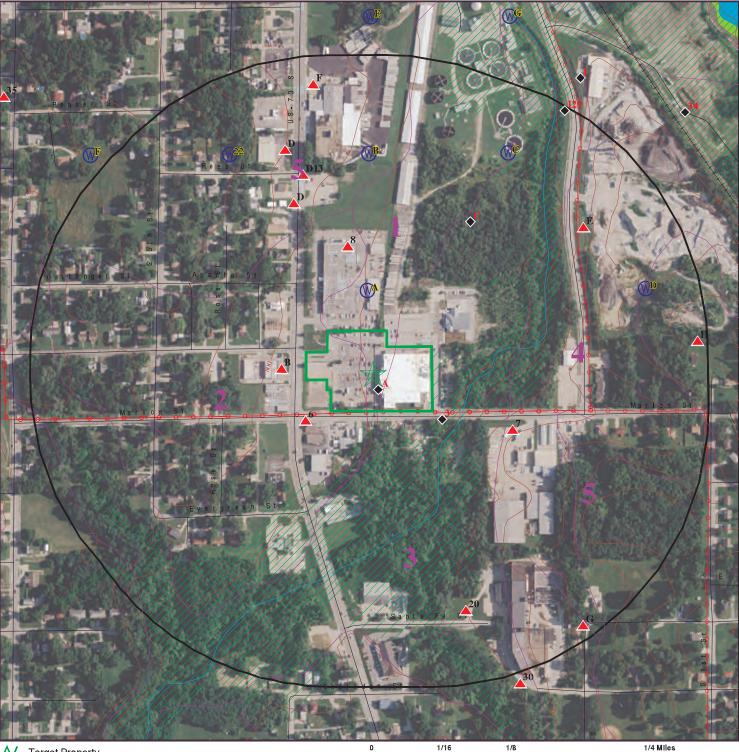
1/4 1/2 Target Property N Sites at elevations higher than or equal to the target property Indian Reservations BIA Areas of Concern Sites at elevations lower than the target property County Boundary Power transmission lines Manufactured Gas Plants 100-year flood zone National Priority List Sites 500-year flood zone Dept. Defense Sites National Wetland Inventory State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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DETAIL MAP - 05723933.2R



- Target Property N
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors Ľ.
- National Priority List Sites
- Dept. Defense Sites



- Power transmission lines 100-year flood zone 500-year flood zone
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		1	1	1	NR	NR	3
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 1 2	0 0 2	NR NR NR	NR NR NR	NR NR NR	0 1 4
Federal institutional cor engineering controls re								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS US INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS	5						
KS SHWS MO SHWS	1.000 1.000		0 0	2 0	1 0	2 0	NR NR	5 0
State and tribal landfill a solid waste disposal site								
KS SWF/LF MO SWF/LF KS CITY DUMPS	0.500 0.500 0.500		1 0 1	3 0 1	1 0 3	NR NR NR	NR NR NR	5 0 5
State and tribal leaking	storage tank l	ists						
KS LAST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
KS LUST	0.500		2	3	3	NR	NR	8
MO LAST	0.500		0	0	0	NR	NR	0
MO LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registere		nk lists	Ū	Ū	Ū			Ū
FEMA UST	0.250		0	0	NR	NR	NR	0
KS UST	0.250		4	2	NR	NR	NR	6
MO UST KS AST	0.250 0.250		0 0	0 3	NR NR	NR NR	NR NR	0 3
MO AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institution control / engineering control / engin		es						
KS INST CONTROL	0.500		0	1	0	NR	NR	1
State and tribal voluntar	y cleanup sit	es						
KS VCP	0.500		0	1	0	NR	NR	1
INDIAN VCP MO VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie			0	0	0			0
KS BROWNFIELDS	0.500		0	0	0	NR		0
MO BROWNFIELDS	0.500		0 0	0 0	0 0	NR	NR NR	0 0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists			_	_	_			
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI DEBRIS REGION 9	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
IHS OPEN DUMPS	0.500		õ	Ő	0	NR	NR	Õ
Local Lists of Hazardous Contaminated Sites	s waste /							
KS AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL KS CDL	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
MO CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency I	Release Repo	orts						
HMIRS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
KS SPILLS MO SPILLS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		1	3	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION TSCA	0.250 TP		0 NR	0 NR	NR NR	NR NR	NR NR	0 0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	Õ
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS COAL ASH DOE	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	õ
HIST FTTS	TP		NR	NR	NR	NR	NR	Ō
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
	0.500		0	0	0	NR	NR	0
LEAD SMELTERS US AIRS	TP TP		NR	NR	NR	NR NR	NR NR	0
US MINES	0.250		NR 0	NR 0	NR NR	NR	NR	0 0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	Õ
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
KS AIRS	TP		NR	NR	NR	NR	NR	0
MOAIRS	TP		NR	NR	NR	NR	NR	0
KS COAL ASH	0.500		0	0	0	NR	NR	0
MO COAL ASH KS DRYCLEANERS	0.500		0	0				0
MO DRYCLEANERS	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
KS Financial Assurance	0.230 TP		NR	NR	NR	NR	NR	0
MO Financial Assurance	TP		NR	NR	NR	NR	NR	0
KS NPDES	TP		NR	NR	NR	NR	NR	Õ
MO NPDES	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
KS TIER 2 KS UIC MO UIC	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
EDR HIGH RISK HISTORICA								
EDR Exclusive Records								
EDR MGP EDR Hist Auto EDR Hist Cleaner	1.000 0.125 0.125		0 2 0	0 NR NR	0 NR NR	0 NR NR	NR NR NR	0 2 0
EDR RECOVERED GOVERN	EDR RECOVERED GOVERNMENT ARCHIVES							
Exclusive Recovered Go	vt. Archives							
KS RGA HWS MO RGA HWS KS RGA LF MO RGA LF KS RGA LUST MO RGA LUST	TP TP TP TP TP TP		NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0 0
- Totals		0	15	22	9	2	0	48

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

EDR ID Number EPA ID Number

		KS UST	U000196730
LEAVENWORTH, KS 66048			N/A
Site 1 of 2 in cluster A			
2101 S 3RD	08286 2101 S 3RD LEAVENWORTH KS 66048 1991-02-15 00:00:00 6000 None 913-682-0650 Painted Galv Steel GARMIN 3 PLUS Facility Center 913-682-0650 Not reported R D Rttzwald Maint Super 08286 Current LEAVENWORTH, CITY OF 100 NORTH 5TH STREET LEAVENWORTH KS 66048 LEAVENWORTH 913-682-9201 Not reported NE 001 Permanently Out Of Use 1981 Not reported Not		N/A
Out of service Mo/Yr: Material of Construction: Petroleum Substance: Owner Replacement Name: NonPetroleum Substance: Owner Replacement Title:	021991 Steel Gas (Incl Alcohol) CITY OF LEAVENWORTH-MIKE HOOPE Not reported Not reported		
Principal CERCLA Substance/Chem Abst Latitude:			
Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals):	-94.90734 08286 2101 S 3RD LEAVENWORTH KS 66048 1991-02-15 00:00:00 6000		
	LEAVENWORTH, KS 66048 Site 1 of 2 in cluster A UST: Facility 911 Address: Facility 911 Address: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Peature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: Owner Address: Owner Zip: Owner State: Owner Zip: Owner State: Owner Zip: Owner County: Owner Phone: QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed: Current Permit Printed: Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: Owner Replacement Name: NonPetroleum Substance: Owner Replacement Title: Hazards: Principal CERCLA Substance/Chem Abst Latitude: Longitude: Facility 911 State: Facility 911 State: Facility 911 State: Facility 911 State: Facility 911 State: Facility 911 Zip: Date Removed:	2101 S 3RD LEAVENWORTH, KS 66043 Site 1 of 2 in cluster A UST: Facility 911 Address: 2101 S 3RD Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: 1991-02-15 00:00:00 Capacity (Gals): 6000 Tank Internal Protection: None 24 Hour Phone Num: 913-682-0650 Tank External Protection: Paility Center Facility Deature: Facility Center Facility Peature: Facility Center Facility Phone: 913-682-0650 Tank External Protection: Rol Gantat Name: R D Rttzwald Contact Name: R D Rttzwald Contact Name: LEAVENWORTH, CITY OF Owner Type: Current Owner Address: 100 NORTH STH STREET Owner Address: 100 NORTH STH STREET Owner Address: Permanenty Out Of Use Tank Status: Permanenty Out Of Use Installation Year: 1981 Last Permit Printed: Not reported	2101 3 RD LEAVENWORTH, KS 66043 Site 1 of 2 in cluster A UST: Facility 011 Address: 2101 S 3RD Facility 911 Address: 2101 S 3RD Facility 911 State: KS Facility 911 State: KS Facility 911 State: KS Facility 911 State: KS Facility 911 Carbon Num: 919-02-15 00:00:00 Capacity (Gals): 6004 Otate Removed: 1991-02-15 00:00:00 Capacity (Gals): 6000 Tank Internal Protection: None 24 Hour Phone Num: 913-682-0650 Tank External Protection: Painted Piping: Galv Steel Facility Phone: 913-682-0650 Tank Empty: Not reported Contact Title: Maint Super Owner Type: Current Owner Address: 100 NORTH 5TH STR STREET Owner Address: 100 NORTH STH STR STREET Owner Address: 100 NORTH STH STR STREET Owner Address: 100 NORTH STH STR STREET Owner Caunty: LEAVENWORTH Owner

Database(s)

EDR ID Number **EPA ID Number**

LEAVENWORTH, CITY OF, GARAGE (Continued)

Tank Internal Protection:

24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: Owner Name: Owner Address: Owner City: Owner State: Owner Zip: Owner County: Owner Phone: QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed: Current Permit Printed: Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: **Owner Replacement Name:** NonPetroleum Substance: **Owner Replacement Title:** Hazards: Latitude: Longitude: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type:

None 913-682-0650 Painted Galv Steel **GARMIN 3 PLUS Facility Center** 913-682-0650 Not reported R D Rttzwald Maint Super 08286 Current LEAVENWORTH, CITY OF 100 NORTH 5TH STREET LEAVENWORTH KS 66048 LEAVENWORTH 913-682-9201 Not reported NE 002 Permanently Out Of Use 1981 Not reported Not reported WGS84 021991 Steel Gas (Incl Alcohol) CITY OF LEAVENWORTH-MIKE HOOPE Not reported Not reported Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 39.29504 -94.90754 08286 2101 S 3RD LEAVENWORTH KS 66048 1991-02-15 00:00:00 6000 None 913-682-0650 Painted Galv Steel **GARMIN 3 PLUS** Facility Center 913-682-0650 Not reported R D Rttzwald

Maint Super

08286

Current

U000196730

< 1/8

1 ft.

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

U000196730

LEAVENWORTH, CITY OF, GARAGE (Continued)

Owner Name: LEAVENWORTH, CITY OF 100 NORTH 5TH STREET Owner Address: Owner City: LEAVENWORTH Owner State: KS Owner Zip: 66048 **Owner County:** LEAVENWORTH Owner Phone: 913-682-9201 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 003 Tank Status: Permanently Out Of Use Installation Year: 1981 Last Permit Printed: Not reported **Current Permit Printed:** Not reported WGS84 Facility Datum: Out of service Mo/Yr: 021991 Material of Construction: Steel Petroleum Substance: Gas (Incl Alcohol) **Owner Replacement Name:** CITY OF LEAVENWORTH-MIKE HOOPE NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29504 Longitude: -94.90754

LEAVENWORTH MUNICIPAL GARAGE AREA 2 A2 **3RD & MARION**

LEAVENWORTH, KS 66048 Site 2 of 2 in cluster A Relative: SEMS Archive: Lower 0700623 Site ID: EPA ID: KSD980632210 Actual: Cong District: 02 778 ft. FIPS Code: 20103 FF: Ν NPL: Not on the NPL

Non NPL Status: SEMS Archive Detail: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead:

Region:

07

Ν

Ν

00

VS

07

ARCH SITE

Not reported

EPA Perf In-Hse

1985-04-05 06:00:00 Not reported

0700623

KSD980632210

RCRA NonGen / NLR KSD980632210

NFRAP-Site does not qualify for the NPL based on existing information

LEAVENWORTH MUNICIPAL GARAGE AREA 2

SEMS-ARCHIVE 1015734058

EDR ID Number Database(s) EPA ID Number

LEAVENWORTH MUNICIPAL GARAGE AREA 2 (Continued) 0700623 Site ID: KSD980632210 EPA ID: Site Name: LEAVENWORTH MUNICIPAL GARAGE AREA 2 NPL: Ν FF: Ν OU: 00 Action Code: DS Action Name: DISCVRY SEQ: 1 Start Date: 1981-06-01 04:00:00 Finish Date: 1981-06-01 04:00:00 Not reported Qual: Current Action Lead: EPA Perf 07 Region: Site ID: 0700623 EPA ID: KSD980632210 Site Name: LEAVENWORTH MUNICIPAL GARAGE AREA 2 NPL: Ν FF: Ν OU: 00 Action Code: PA Action Name: PA SEQ: 2 Start Date: Not reported Finish Date: 1985-04-05 06:00:00 Qual: Т Current Action Lead: EPA Perf Region: 07 Site ID: 0700623 EPA ID: KSD980632210 Site Name: LEAVENWORTH MUNICIPAL GARAGE AREA 2 NPL: Ν FF: Ν OU: 00 Action Code: SI Action Name: SI SEQ: 1 Start Date: Not reported Finish Date: 1985-04-05 06:00:00 Qual: Ν Current Action Lead: EPA Perf Region: 07 Site ID: 0700623 EPA ID: KSD980632210 LEAVENWORTH MUNICIPAL GARAGE AREA 2 Site Name: NPL: Ν FF: Ν OU: 00 Action Code: PA Action Name: ΡA SEQ: 1 Start Date: Not reported Finish Date: 1983-08-01 04:00:00 Qual: L

EDR ID Number Database(s) EPA ID Number

LEAVENWORTH MUNICIPAL GARAGE AREA 2 (Continued) 1015734058 Current Action Lead: EPA Perf RCRA NonGen / NLR: Date form received by agency: 02/11/2003 LEAVENWORTH CITY OF GARAGE Facility name: Facility address: 2101 S 3RD LEAVENWORTH, KS 66048 EPA ID: KSD980632210 Mailing address: N 5TH ST LEAVENWORTH, KS 66048 ROBERT PATZWALD Contact: Contact address: 100 N 5TH ST LEAVENWORTH, KS 66048 Contact country: US Contact telephone: 913-682-0650 Contact email: Not reported EPA Region: 07 Land type: Municipal Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: LEAVENWORTH CITY OF Owner/operator name: Owner/operator address: **CITY HALL 5TH & SHAWNEE** LEAVENWORTH, KS 66048 Owner/operator country: Not reported Owner/operator telephone: 913-682-9201 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Municipal Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported Handler Activities Summary: U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No Historical Generators:

Date form received by agency: 06/03/1987

Database(s)

EDR ID Number **EPA ID Number**

1015734058

LEAVENWORTH MUNICIPAL GARAGE AREA 2 (Continued)

Site name:	LEAVENWORTH CITY OF GARAGE
Classification:	Small Quantity Generator

Hazardous Waste Summary:

•	Waste code: Waste name:	D001 IGNITABLE WASTE
•	Waste code: Waste name:	D018 BENZENE

Waste code:

Waste name:

Waste name: TETRACHLOROETHYLENE

D039

Waste code: F005 .

THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Date achieved compliance:

	violations.
Regulation violated:	SS - KSA 64-3441
Area of violation:	Generators - General
Date violation determined:	09/24/1991
Date achieved compliance:	04/24/1992
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/18/1992
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	SS - KAR 64-3441
Area of violation:	Generators - General
Date violation determined:	09/24/1991
Date achieved compliance:	04/24/1992
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	09/26/1991
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Pogulation violated:	
Regulation violated: Area of violation:	SR - KAR 28-34-4(C)(1) Generators - General
Date violation determined:	09/24/1991
Date violation determined.	09/24/1991

04/24/1992

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	LEAVENWORTH MUNICIPAL GARAGE AREA 2 (Continued)			1015734058
	Violation lead agency: Enforcement action:	State WRITTEN INFORMAL		
	Enforcement action date:	09/26/1991		
	Enf. disposition status:	Not reported		
	Enf. disp. status date:	Not reported		
	Enforcement lead agency:	State		
		Not reported		
	Final penalty amount: Paid penalty amount:	Not reported		
	Faid penaity amount.	Not reported		
	Regulation violated:	SR - KAR 28-24-4(C)(1)		
	Area of violation:	Generators - General		
	Date violation determined: Date achieved compliance:	09/24/1991 04/24/1992		
	Violation lead agency:	State		
	Enforcement action:	WRITTEN INFORMAL		
	Enforcement action date:	02/18/1992		
	Enf. disposition status:	Not reported		
	Enf. disp. status date:	Not reported		
	Enforcement lead agency: Proposed penalty amount:	State Not reported		
	Final penalty amount:	Not reported		
	Paid penalty amount:	Not reported		
	Evaluation Action Summary:			
	Evaluation date:	04/24/1992		
	Evaluation:	COMPLIANCE SCHEDULE EVALUATION		
	Area of violation:	Not reported		
	Date achieved compliance: Evaluation lead agency:	Not reported State		
	Evaluation lead agency.	State		
	Evaluation date:	02/18/1992		
	Evaluation:	COMPLIANCE SCHEDULE EVALUATION		
	Area of violation:	Generators - General 04/24/1992		
	Date achieved compliance: Evaluation lead agency:	State		
	Evaluation date:			
	Evaluation: Area of violation:	COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - General		
	Date achieved compliance:	04/24/1992		
	Evaluation lead agency:	State		
3 SE < 1/8 0.012 mi.	CITY GARAGE 3RD & MARION (2101 S 3RD?) LEAVENWORTH, KS 66048		KS LUST	S102688649 N/A
61 ft.				
Relative:	LUST:	00000		
Lower	Facility ID: Site Status:	08286 Closed		
Actual: 764 ft.	Release Date:	Not reported		
/ V7 IL.	Initial Report Date:	02/22/1991		
	Project Number:	U4-052-00868		
	Project Name:	Leavenworth, Garage		
	Legal Desc Section:	36		
	Legal Desc Township:	09S		

Database(s)

EDR ID Number EPA ID Number

CITY GARAGE (Continued)

Legal Desc Range: 22E Discover Date: Not reported Not reported substrels: Initial Ranking: Not reported Current Ranking: Not reported **Bob Patzwald** Facility Contact: 913-682-0650 Facility Phone Number: Facility Owner Identification number: 08626 Facility Owner: Leavenworth, City Of **Owner Contact Person:** Not reported **Owner Address:** 100 N 5th St Owner City: Leavenworth Owner State: KS Owner Zip Code: 66048 Owner Phone number: Not reported Contractor license number: Not reported 816-921-5032 Contractor phone number: Leak duration (if known): Not reported Quantity released (if known): Not reported Quantity recorded: Not reported Leak Type: Not reported Reported By: Not reported Reported by persons phone number: Not reported Reported by person address: Not reported Ground water Impacted (yes/no): Not reported Static groundwater level. Not reported Groundwater flow direction: Not reported District staff names: Not reported Assessment of release: they removed one 6000 gallon fuel oil no 2 ust, the tank was not leaking, and no contamination surrounding the tank. Contaimination assessement: Not reported Extent of contamination impact: none Updated information: Not reported Invoice initiated: 19912 Invoice on going: Not reported Invoice completetd: 19912 Not reported Release confirmed: Emergencty contact: Not reported Enforcement action: Not reported Cost recovery: Not reported Cost recovery initiated: Not reported Cost recovery initiated by: Not reported Cost recovery completed: Not reported Cost recovery completed by: Not reported Not reported Appplication to trust fund: Facility ID: 08286 Site Status: Closed Release Date: Not reported 11/04/1992 Initial Report Date: Project Number: U4-052-00868 Project Name: Leavenworth, Garage Legal Desc Section: 36 Legal Desc Township: 09S Legal Desc Range: 22E Discover Date: Not reported substrels: Not reported

S102688649

Database(s)

EDR ID Number EPA ID Number

S102688649

CITY GARAGE (Continued)

Initial Ranking: Not reported Current Ranking: Not reported Bob Paswald Facility Contact: Facility Phone Number: Not reported Facility Owner Identification number: 08286 Facility Owner: City Of Leavenworth Owner Contact Person: Not reported Owner Address: 100 N 5th St Owner City: Leavenworth Owner State: KS Owner Zip Code: Not reported Owner Phone number: Not reported Contractor license number: Not reported Contractor phone number: Not reported Leak duration (if known): Not reported Quantity released (if known): Not reported Quantity recorded: Not reported Leak Type: Not reported Reported By: Not reported Reported by persons phone number: Not reported Reported by person address: Not reported Ground water Impacted (yes/no): clay, no groundwater enter excavation. Static groundwater level: Not reported Groundwater flow direction: Not reported District staff names: Not reported Assessment of release: 1-300 gal waste oil ust & lines removed. no contaminated soil found at this time. Contaimination assessement: Not reported Extent of contamination impact: unknown at this time. Updated information: Not reported Invoice initiated: 19931 Invoice on going: Not reported Invoice completetd: 19931 Release confirmed: Not reported Emergencty contact: Not reported Not reported Enforcement action: Cost recovery: Not reported Cost recovery initiated: Not reported Cost recovery initiated by: Not reported Cost recovery completed: Not reported Cost recovery completed by: Not reported Appplication to trust fund: Not reported

B4 CASEY'S GENERAL STORE - #2826 West 2100 S. 4TH STREET < 1/8</th> LEAVENWORTH, KS 66048 0.022 mi. Comparison

Site 1 of 2 in cluster B

Relative: Higher Actual:

795 ft.

117 ft.

UST: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals):

Tank Internal Protection:

30435 2100 S. 4TH STREET LEAVENWORTH KS 66048 Not reported 20000 None KS UST U004139766 KS Financial Assurance N/A

Database(s)

EDR ID Number **EPA ID Number**

CASEY'S GENERAL STORE - #2826 (Continued)

24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: Owner Name: **Owner Address:** Owner City: Owner State: Owner Zip: **Owner County: Owner Phone:** QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed: Current Permit Printed: Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: **Owner Replacement Name:** NonPetroleum Substance: **Owner Replacement Title:** Hazards: Principal CERCLA Substance/Chem Abstract Service Num: Latitude: Longitude: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type:

Owner Name:

515-965-6238 Fbr Ref Plstc Coat Double Wall, Nonmetallic Not reported Not reported 913-651-1303 Not reported JILL-REAMS-WIDDER CONTACT PERSON 06884 Current CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY IA 50021 POLK 515-965-6100 Not reported NE 001 Current In Use 2009 2017-06-12 00:00:00 2018-06-07 00:00:00 Not reported Not reported Fbr Ref Plastic, Double Wall Gas Unleaded Regular JILL REAMS-WIDDER Not reported Not reported Fire, Chronic, Acute 8006-61-9 Not reported Not reported 30435 2100 S. 4TH STREET LEAVENWORTH KS 66048 Not reported 12000 None 515-965-6238 Fbr Ref Plstc Coat Double Wall, Nonmetallic Not reported Not reported 913-651-1303 Not reported JILL-REAMS-WIDDER CONTACT PERSON 06884 Current CASEY'S RETAIL COMPANY

U004139766

EDR ID Number Database(s) EPA ID Number

CASEY'S GENERAL STORE - #2826 (Continued)

PO BOX 3004, ONE CONVENIENCE BLVD **Owner Address:** ANKENY Owner City: Owner State: IA Owner Zip: 50021 **Owner County:** POLK Owner Phone: 515-965-6100 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 002 Tank Status: Current In Use 2009 Installation Year: 2017-06-12 00:00:00 Last Permit Printed: 2018-06-07 00:00:00 **Current Permit Printed:** Facility Datum: Not reported Out of service Mo/Yr: Not reported Fbr Ref Plastic, Double Wall Material of Construction: Petroleum Substance: Gas Unleaded Premium JILL REAMS-WIDDER **Owner Replacement Name:** NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: Not reported Longitude: Not reported Facility ID: 30435 Facility 911 Address: 2100 S. 4TH STREET Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: Not reported Capacity (Gals): 8000 Tank Internal Protection: None 24 Hour Phone Num: 515-965-6238 Tank External Protection: Fbr Ref Plstc Coat Double Wall, Nonmetallic Piping: Facility Location Method: Not reported Facility Feature: Not reported Facility Phone: 913-651-1303 Tank Empty: Not reported JILL-REAMS-WIDDER Contact Name: Contact Title: CONTACT PERSON Owner ID: 06884 Owner Type: Current **Owner Name:** CASEY'S RETAIL COMPANY Owner Address: PO BOX 3004, ONE CONVENIENCE BLVD Owner City: ANKENY Owner State: IA Owner Zip: 50021 Owner County: POLK 515-965-6100 **Owner Phone:** QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 003 Tank Status: Current In Use Installation Year: 2009 Last Permit Printed: 2017-06-12 00:00:00

U004139766

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

	CASEY'S GENERAL STORE - #2	2826 (Continued)		U004139766		
	Current Permit Printed: Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: Owner Replacement Name: NonPetroleum Substance: Owner Replacement Title: Hazards: Principal CERCLA Substance Latitude: Longitude:	Not rep Not rep Fbr Ref Diesel JILL RE Not rep Not rep Fire, Cl	orted Plastic, Double Wall Clear EAMS-WIDDER orted orted nronic, Acute ice Num: 68476-34-6 orted			
	KS Financial Assurance: Facility ID: Financial Responsibility:	30435 Self Insured				
	Facility ID: Financial Responsibility:	30435 Self Insured				
	Facility ID: Financial Responsibility:	30435 Self Insured				
B5 West < 1/8 0.022 mi. 117 ft.	CASEYS GENERAL STORES IN 2100 S 4TH ST LEAVENWORTH, KS 66048 Site 2 of 2 in cluster B	c		EDR Hist Auto	1020212173 N/A	
Relative: Higher	EDR Hist Auto					
Actual: 795 ft.	Year: Name: 2012 CASEYS GENERAL 2013 CASEYS GENERAL 2014 CASEYS GENERAL	STORES INC	Type: Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations			
6 SW < 1/8 0.024 mi. 128 ft.	ADVANCE AUTOMOTIVE 319 MARIAN LEAVENWORTH, KS 66048			RCRA-CESQG FINDS ECHO	1000908012 KS0000792291	
Relative: Higher Actual: 787 ft.	RCRA-CESQG: Date form received by agend Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Land type:	cy: 11/01/2017 ADVANCE AUTOM 319 MARIAN LEAVENWORTH, K KS0000792291 RICK SAMMONS 319 MARIAN LEAVENWORTH, K US 913-651-2079 ADVANCEREPAIR 07 Private	S 66048 S 66048			

Database(s)

EDR ID Number EPA ID Number

ADVANCE AUTOMOTIVE (Continued)

Classification: Description:	Conditionally Exempt Small Quantity Generator Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste
Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email:	RICK SAMMONS Not reported KS US Not reported Not reported Not reported
Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Not reported Private Operator 05/01/2003 Not reported
Owner/operator name: Owner/operator address:	RICK SAMMONS 319 MARIAN LEAVENWORTH, KS 66048
Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Not reported 913-651-2079 Not reported Not reported Private Owner Not reported Not reported
Owner/operator name: Owner/operator address:	RICK SAMMONS Not reported KS
Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	US Not reported Not reported Not reported Private Owner 05/01/2003 Not reported

Database(s)

EDR ID Number EPA ID Number

ADVANCE AUTOMOTIVE (Continued)

Handler Activities Summary: U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No Historical Generators: Date form received by agency: 02/06/2017 ADVANCE AUTOMOTIVE Site name: Classification: Conditionally Exempt Small Quantity Generator Date form received by agency: 02/04/2016 Site name: ADVANCE AUTOMOTIVE Classification: Conditionally Exempt Small Quantity Generator Date form received by agency: 02/04/2015 Site name: ADVANCE AUTOMOTIVE Conditionally Exempt Small Quantity Generator Classification: Date form received by agency: 02/11/2014 ADVANCE AUTOMOTIVE Site name: Classification: Conditionally Exempt Small Quantity Generator Date form received by agency: 01/23/2013 ADVANCE AUTOMOTIVE Site name: Classification: Conditionally Exempt Small Quantity Generator Date form received by agency: 01/13/2012 Site name: ADVANCE AUTOMOTIVE Classification: Conditionally Exempt Small Quantity Generator Date form received by agency:01/14/2011 ADVANCE AUTOMOTIVE Site name: Classification: Conditionally Exempt Small Quantity Generator Date form received by agency: 01/12/2010 Site name: ADVANCE AUTOMOTIVE Conditionally Exempt Small Quantity Generator Classification: Date form received by agency: 01/21/2009 ADVANCE AUTOMOTIVE Site name: Classification: Conditionally Exempt Small Quantity Generator Date form received by agency: 01/22/2008 Site name: ADVANCE AUTOMOTIVE

Database(s)

EDR ID Number EPA ID Number

1000908012

ADVANCE AUTOMOTIVE (Continued)

	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency Site name: Classification:	01/22/2007 ADVANCE AUTOMOTIVE Conditionally Exempt Small Quantity Generator
	Date form received by agency Site name: Classification:	03/14/2006 ADVANCE AUTOMOTIVE Conditionally Exempt Small Quantity Generator
	Date form received by agency. Site name: Classification:	08/03/2005 ADVANCE AUTOMOTIVE Conditionally Exempt Small Quantity Generator
	Date form received by agency: Site name: Classification:	05/14/2003 ADVANCE AUTOMOTIVE Conditionally Exempt Small Quantity Generator
	Date form received by agency: Site name: Classification:	09/19/1994 ADVANCE AUTOMOTIVE Small Quantity Generator
Ha	azardous Waste Summary:	
	. Waste code: . Waste name:	D001 IGNITABLE WASTE
	. Waste code: . Waste name:	D018 BENZENE
	. Waste code: . Waste name:	D039 TETRACHLOROETHYLENE
	Violation Status:	No violations found
E١	valuation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	11/01/2017 COMPLIANCE EVALUATION INSPECTION ON-SITE Not reported Not reported State
FI	NDS:	
	Registry ID:	110003143410
	Conservatio events and and treat, st program sta	ation System a national information system that supports the Resource n and Recovery Act (RCRA) program through the tracking of activities related to facilities that generate, transport, ore, or dispose of hazardous waste. RCRAInfo allows RCRA ff to track the notification, permit, compliance, and ction activities required under RCRA.
		perlink while viewing on your computer to access NDS: detail in the EDR Site Report.

Database(s)

EDR ID Number EPA ID Number

1000908012

ADVANCE AUTOMOTIVE (Continued)

ECHO: Envid: Registry ID: DFR URL:

1000908012 110003143410 http://echo.epa.gov/detailed-facility-report?fid=110003143410

7 ESE < 1/8 0.074 mi. 392 ft.	CENTURY VAN LINES INC 211 MARION LEAVENWORTH, KS 66048	RCRA-CESQG KS LUST KS UST FINDS ECHO	1000618266 KSD984993535
Relative:		KS Financial Assurance	
Higher	RCRA-CESQG:		
Actual:	Date form received by agend	xy: 04/01/2003	
794 ft.	Facility name:	CENTURY VAN LINES INC	
	Facility address:	211 MARION	
		LEAVENWORTH, KS 66048	
	EPA ID:	KSD984993535	
	Mailing address:	MARION	
		LEAVENWORTH, KS 66048	
	Contact:		
	Contact address:	211 MARION LEAVENWORTH, KS 66048	
	Contact country:	US	
	Contact telephone:	913-651-3600	
	Contact email:	Not reported	
	EPA Region:	07	
	Classification:	Conditionally Exempt Small Quantity Generator	
	Description:	Handler: generates 100 kg or less of hazardous waste per calendar	
		month, and accumulates 1000 kg or less of hazardous waste at any time;	
		or generates 1 kg or less of acutely hazardous waste per calendar	
		month, and accumulates at any time: 1 kg or less of acutely hazardous	
		waste; or 100 kg or less of any residue or contaminated soil, waste or	
		other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less	
		of any residue or contaminated soil, waste or other debris resulting	
		from the cleanup of a spill, into or on any land or water, of acutely	
		hazardous waste during any calendar month, and accumulates at any	
		time: 1 kg or less of acutely hazardous waste; or 100 kg or less of	
		any residue or contaminated soil, waste or other debris resulting from	
		the cleanup of a spill, into or on any land or water, of acutely	
		hazardous waste	
	Owner/Operator Summary:		
	Owner/operator name:	TERRY SCHMIT	
	Owner/operator address:	Not reported	
		Not reported	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	Not reported	
	Owner/operator email: Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported Not reported	
	Legal status:	Private	
	Owner/Operator Type:	Owner	
	Owner/Op start date:	03/28/2003	
	Owner/Op end date:	Not reported	
	• • • • • • • • • • • • • • • • • • • •		

Database(s)

EDR ID Number EPA ID Number

CENTURY VAN LINES INC (Continued)

Owner/operator name: Owner/operator address:	TERRY SCHMIT
Owner/operator address.	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/28/2003
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by ager	ncy:09/11/1991
Site name:	CENTURY VAN LINES INC
Classification:	Small Quantity Generator

Hazardous Waste Summary:

. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
Violation Status:	No violations found
LUST: Facility ID: Site Status: Release Date: Initial Report Date: Project Number: Project Name: Legal Desc Section:	26223 Closed Not reported 06/05/2012 U4-052-14479 Century Van Lines Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Terry Schmidt

913-651-3600

26223

Database(s)

EDR ID Number EPA ID Number

CENTURY VAN LINES INC (Continued)

Legal Desc Township: Legal Desc Range: Discover Date: substrels: Initial Ranking: Current Ranking: Facility Contact: Facility Phone Number: Facility Owner Identification number: Facility Owner: **Owner Contact Person: Owner Address:** Owner City: **Owner State:** Owner Zip Code: Owner Phone number: Contractor license number: Contractor phone number: Leak duration (if known): Quantity released (if known): Quantity recorded: Leak Type: Reported By: Reported by persons phone number: Reported by person address: Ground water Impacted (yes/no): Static groundwater level: Groundwater flow direction: District staff names: Assessment of release: Contaimination assessement: Extent of contamination impact: Updated information: Invoice initiated: Invoice on going:

Invoice completed: Release confirmed: Emergencty contact: Enforcement action: Cost recovery: Cost recovery initiated: Cost recovery initiated by: Cost recovery completed: Cost recovery completed by: Appplication to trust fund:

UST:

Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): SCHMIDT, TERRY L Terry L Schmidt 211 MARION LEAVENWORTH KS 66048 913-651-3600 C0051 913-438-1500 Not reported Not reported Not reported Not reported No release observed. Not reported Not reported Silty clay grading into shale. Not reported Eas Tom Winn No leak observed. Yes. No groundwater encountered. 1 - 4,000 gallon diesel and 1 - 4,000 gallon gasoline USTs removed. No indication of releases observed during removal activities. Recent cathodic protection assessment indicates non detectible concentrations around tank basin. No additional action wil 20123 Not reported 20123 Not reported 26223 211 MARION LEAVENWORTH KS 66048

2012-06-05 00:00:00

4000

Database(s)

EDR ID Number **EPA ID Number**

CENTURY VAN LINES INC (Continued)

Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: Owner Name: Owner Address: Owner City: Owner State: Owner Zip: Owner County: Owner Phone: QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed: Current Permit Printed: Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: **Owner Replacement Name:** NonPetroleum Substance: **Owner Replacement Title:** Hazards: Principal CERCLA Substance/Chem Abstract Service Num: 68476-34-6 Latitude: Longitude: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type:

None 615-500-1743 Painted Galv Steel **GARMIN 3 PLUS Facility Center** 913-651-3600 Not reported JEFF KLEMP CONTACT PERSON 26223 Private Or Corp. SCHMIDT, TERRY L 211 MARION LEAVENWORTH KS 66048 LEAVENWORTH 913-651-3600 Not reported NE 001 Permanently Out Of Use 1979 2006-06-14 00:00:00 Not reported WGS84 06/05/ Steel Diesel Terry L Schmidt Not reported Not reported Fire, Chronic, Acute 39.29476 -94.90517 26223 211 MARION LEAVENWORTH KS 66048 2012-06-05 00:00:00 4000 None 615-500-1743 Painted Galv Steel **GARMIN 3 PLUS** Facility Center 913-651-3600 Not reported JEFF KLEMP CONTACT PERSON 26223 Private Or Corp.

Database(s)

EDR ID Number EPA ID Number

1000618266

CENTURY VAN LINES INC (Continued)

Owner Name: SCHMIDT, TERRY L Owner Address: 211 MARION LEAVENWORTH Owner City: Owner State: KS Owner Zip: 66048 **Owner County:** LEAVENWORTH Owner Phone: 913-651-3600 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 002 Tank Status: Permanently Out Of Use Installation Year: 1979 Last Permit Printed: 2006-06-14 00:00:00 **Current Permit Printed:** Not reported Facility Datum: WGS84 Out of service Mo/Yr: 06/05/ Material of Construction: Steel Petroleum Substance: Gas Unleaded Regular **Owner Replacement Name:** Terry L Schmidt NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29476 Longitude: -94.90517

FINDS:

Registry ID:

110003192606

Environmental Interest/Information System

KS-FP (Kansas - Facility Profiler) is a geographically-based data warehouse site that presents information about facilities and locations of interest to the KDHE. This site has in excess of twenty environmental interest which contains information on closed facilities, completed cleanups, and past operations as well as data on current operations and activities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO: Envid: Registry ID: DFR URL:

1000618266 110003192606 http://echo.epa.gov/detailed-facility-report?fid=110003192606

KS Financial Assurance: Facility ID:

Database(s)

EDR ID Number EPA ID Number

	CENTURY VAN LINES INC (Cont	tinued)	1000618266
	Financial Responsibility:	3rd Party Liability Insurance	
	Facility ID: Financial Responsibility:	26223 3rd Party Liability Insurance	
8 NNW < 1/8 0.077 mi. 406 ft.	GREAT WESTERN MFG CO INC 2017 S 4TH LEAVENWORTH, KS 66048	RCRA-SQG US AIRS	1000158717 KSD007136872
Relative: Higher	RCRA-SQG: Date form received by agence	v: 03/12/2018	
Actual:	Facility name:	GREAT WESTERN MFG CO INC	
784 ft.	Facility address:	2017 S 4TH LEAVENWORTH, KS 66048	
	EPA ID:	KSD007136872	
	Mailing address:	PO BOX 149 LEAVENWORTH, KS 66048	
	Contact:	DOUG PRICE	
	Contact address:	PO BOX 149 LEAVENWORTH, KS 66048	
	Contact country:	US	
	Contact telephone:	913-682-2291	
	Contact email:	DPRICE@GWMFG.COM	
	EPA Region:	07	
	Land type: Classification:	Private Small Small Quantity Generator	
	Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of	
		hazardous waste at any time	
	Owner/Operator Summary:		
	Owner/operator name:	JAMES C SCHROEDER	
	Owner/operator address:	Not reported Not reported	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	Not reported	
	Owner/operator email:	Not reported	
	Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported	
	Legal status: Owner/Operator Type:	Private Operator	
	Owner/Op start date:	01/28/2003	
	Owner/Op end date:	Not reported	
	Owner/operator name: Owner/operator address:	JAMES C SCHROEDER Not reported Not reported	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	Not reported	
	Owner/operator email:	Not reported	
	Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported	
	Legal status:	Private	

Database(s)

EDR ID Number EPA ID Number

GREAT WESTERN MFG CO INC (Continued)

Owner/Operator Type:	Owner
Owner/Op start date:	01/28/2003
Owner/Op end date:	Not reported

Handler Activities Summary:

	andici Activitics Ourinnary.		
	U.S. importer of hazardous wa	aste:	No
	Mixed waste (haz. and radioad	ctive):	No
	Recycler of hazardous waste:		No
	Transporter of hazardous was	te:	No
	Treater, storer or disposer of H	IW:	No
	Underground injection activity:	:	No
	On-site burner exemption:		No
	Furnace exemption:		No
	Used oil fuel burner:		No
	Used oil processor:		No
	User oil refiner:		No
	Used oil fuel marketer to burne	er:	No
	Used oil Specification markete	er:	No
	Used oil transfer facility:		No
	Used oil transporter:		No
н	istorical Generators:	/	
	Date form received by agency		
	Site name:		AT WESTERN MFG CO INC
	Classification:	Smal	Quantity Generator
	Date form received by agency		
	Site name:		AT WESTERN MFG CO INC
	Classification:	Smal	Quantity Generator
		04/00	
	Date form received by agency		
	Site name:		AT WESTERN MFG CO INC
	Classification:	Smai	Quantity Generator
	Data form reasined by again	.00/47	2001.4
	Date form received by agency Site name:		AT WESTERN MFG CO INC
	Classification:		
	Classification.	Smai	Quantity Generator
	Data form received by agoney	.01/2/	/2012
	Date form received by agency Site name:		
	Classification:		AT WESTERN MFG CO INC
	Classification:	Smai	Quantity Generator
	Data form reasilyed by agapay	.02/04	/2012
	Date form received by agency		
	Site name:		AT WESTERN MFG CO INC
	Classification:	Smai	Quantity Generator
	Data form reasined by again	.01/05	/2011
	Date form received by agency Site name:		AT WESTERN MFG CO INC
	Classification:	Smai	Quantity Generator
	Date form received by agency	.02/17	2/2010
	Site name:		AT WESTERN MFG CO INC
	Classification:		
	Ciassilication.	Singl	Quantity Generator
	Date form received by agency	·02/10	0/2009

Date form received by agency: 02/19/2009 Site name: GREAT WESTERN MFG CO INC

Database(s)

EDR ID Number EPA ID Number

GRE	GREAT WESTERN MFG CO INC (Continued) 100				
	Classification:	Small Quantity Generator			
	Date form received by agency Site name: Classification:	:03/20/2008 GREAT WESTERN MFG CO INC Small Quantity Generator			
	Date form received by agency Site name: Classification:	: 03/29/2007 GREAT WESTERN MFG CO INC Small Quantity Generator			
	Date form received by agency Site name: Classification:	:03/16/2006 GREAT WESTERN MFG CO INC Small Quantity Generator			
	Date form received by agency Site name: Classification:	: 02/28/2005 GREAT WESTERN MFG CO INC Small Quantity Generator			
	Date form received by agency Site name: Classification:	:01/28/2003 GREAT WESTERN MFG CO INC Small Quantity Generator			
	Date form received by agency Site name: Classification:	: 10/05/2000 GREAT WESTERN MFG CO INC Small Quantity Generator			
	Date form received by agency Site name: Classification:	:02/10/1994 GREAT WESTERN MANUFACTURING COMPANY INC Large Quantity Generator			
	Date form received by agency Site name: Classification:	:04/08/1993 GREAT WESTERN MFG CO INC Small Quantity Generator			
Н	azardous Waste Summary:				
	. Waste code: . Waste name:	D001 IGNITABLE WASTE			
	Waste code:Waste name:	D007 CHROMIUM			
	Waste code:Waste name:	D018 BENZENE			
	. Waste code: . Waste name:	D035 METHYL ETHYL KETONE			
	. Waste code: . Waste name:	D039 TETRACHLOROETHYLENE			
	. Waste code: . Waste name:	D040 TRICHLORETHYLENE			
	. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, A ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KET			

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	GREAT WESTERN MFG CO IN	Continued)		1000158717
		ALCOHOL, CYCLOHEXANONE, AND METHANO MIXTURES/BLENDS CONTAINING, BEFORE US NONHALOGENATED SOLVENTS; AND ALL SPE CONTAINING, BEFORE USE, ONE OR MORE OI SOLVENTS, AND A TOTAL OF TEN PERCENT O MORE OF THOSE SOLVENTS LISTED IN F001, BOTTOMS FROM THE RECOVERY OF THESE S MIXTURES.	E, ONLY THE ABOVE INT SOLVENT MIXTUF F THE ABOVE NONHA DR MORE (BY VOLUM F002, F004, AND F005	SPENT RES/BLENDS ALOGENATED E) OF ONE OR 5; AND STILL
	. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED KETONE, CARBON DISULFIDE, ISOBUTANOL, F 2-ETHOXYETHANOL, AND 2-NITROPROPANE; J CONTAINING, BEFORE USE, A TOTAL OF TEN ONE OR MORE OF THE ABOVE NONHALOGEN LISTED IN F001, F002, OR F004; AND STILL BO THESE SPENT SOLVENTS AND SPENT SOLVE	PYRIDINE, BENZENE, ALL SPENT SOLVENT PERCENT OR MORE ATED SOLVENTS OR TTOMS FROM THE RI	MIXTURES/BLENDS (BY VOLUME) OF THOSE SOLVENTS
	Violation Status:	No violations found		
	Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency: Evaluation lead agency: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency: US AIRS MINOR: Envid: Region Code: Programmatic ID: Facility Registry ID: D and B Number: Primary SIC Code: NAICS Code: Default Air Classification Co Facility Type of Ownership Air CMS Category Code: HPV Status:			
	US AIRS MINOR: Envid: Region Code: Programmatic ID: Facility Registry ID: D and B Number: Primary SIC Code: NAICS Code: Default Air Classification Co Facility Type of Ownership Air CMS Category Code:			

Database(s) EPA ID

EDR ID Number EPA ID Number

	GREAT WESTERN MFG CO INC	(Continued)		1000158717
	HPV Status:	Not reported		
C9 NNE < 1/8	CITY OF LEAVENWORTH 2ND &	LIMIT DUMP (052-2ND-LIM)	KS SWF/LF	S109088805 N/A
< 1/6 0.118 mi. 624 ft.				
	Site 1 of 2 in cluster C			
Relative: Lower	SWF/LF: Facility Status:	Closed: post-closure care completed/not required		
Lower Actual: 775 ft.	Permit Number: Owner Type: Owner Name: Facility Phone: Permit Type: Permit Code: Solid Waste Key: Permittee Name: BWM Permit Manager: Past Permit Types: BWM Hydrology Manager: BER Oversight: BER Project Manager: Special Facility/Waste Types: Industrial Waste Types: District: Hours of Operation: Comments: Directions: Facility Status: Permit Number: Owner Type: Owner Type: Owner Type: Permit Type: Permit Code: Solid Waste Key: Permit Manager: Past Permit Manager: Past Permit Types: BWM Hydrology Manager: BER Oversight: BER Project Manager: Special Facility/Waste Types: Industrial Waste Types: District: Hours of Operation: Comments: Directions:	Not reported City City of Leavenworth Not reported Construction/Demolition D-dump Not reported Not reported Not reported Not reported Not reported Construction/Demolition Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Closed: post-closure care completed/not required Not reported City of Leavenworth Not reported City of Leavenworth Not reported Not r		
	Facility Status: Permit Number:	Closed: post-closure care completed/not required Not reported		
	Owner Type:	City		
	Owner Name: Facility Phone:	City of Leavenworth Not reported		
	Permit Type: Permit Code:	Special Landfill D-dump		

Database(s)

EDR ID Number EPA ID Number

Solid Waste Key:	LIMIT DUMP (052-2ND-LIM) (Continued) Not reported	
Permittee Name:	Not reported	
BWM Permit Manager:	Not reported	
Past Permit Types:	Not reported	
BWM Hydrology Manager:	Not reported	
BER Oversight:	Special Landfill	
BER Project Manager:	Not reported	
Special Facility/Waste Types:	•	
Industrial Waste Types:	Not reported	
District:	Not reported	
Hours of Operation:	Not reported	
Comments:	Not reported	
Directions:	Not reported	
Facility Status:	Closed: post-closure care	
Permit Number:	0155	
Owner Type:	City	
Owner Name:	Not reported	
Facility Phone:	Not reported	
Permit Type:	Municipal Solid Waste	
Permit Code:	S-solid waste	
Solid Waste Key:	Not reported	
Permittee Name:	City of Leavenworth	
BWM Permit Manager:	Not reported	
Past Permit Types:	Not reported	
BWM Hydrology Manager: BER Oversight:	Not reported	
BER Project Manager:	Municipal Solid Waste Not reported	
Special Facility/Waste Types:	•	
Industrial Waste Types:	Not reported	
District:	Not reported	
Hours of Operation:	N/A, Closed.	
Comments:	Not reported	
Directions:	Near US-73/K-7 and is north of Gilman Road. The landfill lies south of	
	the Union Pacific Railroad (trending ~South 46 degrees West), and is	
	south of the centerline of 9 Mile Creek. The Landfill is bounded on	
	the east by the K.C.W. and N.W. Railroad (abandoned).	
Facility Status:	Closed: post-closure care completed/not required	
Permit Number:	0336	
Owner Type:	City	
Owner Name:	City of Leavenworth	
Facility Phone:	Not reported	
Permit Type:	Construction/Demolition	
Permit Code: Solid Waste Key:	S-solid waste Not reported	
Permittee Name:	Not reported	
BWM Permit Manager:	Not reported	
Past Permit Types:	Not reported	
BWM Hydrology Manager:	Not reported	
BER Oversight:	Not reported	
BER Project Manager:	Not reported	
Special Facility/Waste Types:	•	
Industrial Waste Types:	Not reported	
District:	Not reported	
Hours of Operation:	Not reported	
Comments:	Not reported	

... CIT

Map ID Direction				
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	CITY OF LEAVENWORTH 2ND & LIMIT DUMP Directions: Not reported			S109088805
C10 NNE < 1/8 0.118 mi.	CITY OF LEAVENWORTH OLD CITY LANDFIL	LL (052-LEA#2)	KS CITY DUMPS	S121828504 N/A
624 ft. Relative: Lower Actual: 775 ft.	Site 2 of 2 in cluster C CITY DUMPS: 1st Qtr: Not reported 2nd Qtr: Not reported 3rd Qtr: Not reported 4th Qtr: Not reported Section: Not reported Township: Not reported Range: Not reported Latitude: 39.29766 Longitude: -94.90599			
D11 NNW < 1/8 0.120 mi. 634 ft.	CONOCO 1924 S FOURTH ST LEAVENWORTH, KS 66048 Site 1 of 7 in cluster D		EDR Hist Auto	1020973883 N/A
Relative: Higher	EDR Hist Auto			
Actual: 808 ft.	Year: Name: 1987 CONOCO 1988 CONOCO 1989 CONOCO 1990 CONOCO 1991 CONOCO 1992 CONOCO 1993 CONOCO 1994 CONOCO	Type: Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations Gasoline Service Stations		
D12 NNW < 1/8 0.120 mi. 634 ft. Relative:	SACO PETROLEUM 1924 S 4TH LEAVENWORTH, KS 66048 Site 2 of 7 in cluster D UST:		KS UST	U000195644 N/A
Higher Actual: 808 ft.	Facility ID: Facility 911 Address: Facility 911 City: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping:	06464 1824 S 4TH LEAVENWORTH KS 66048 1990-09-15 00:00:00 12000 None 816-221-0755 None Galv Steel		

Database(s)

EDR ID Number **EPA ID Number**

SACO PETROLEUM (Continued)

Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: VP Owner ID: Owner Type: **Owner Name:** Owner Address: Owner City: Owner State: KS Owner Zip: **Owner County:** Owner Phone: QTY Remaining in Tank: Facility District: NE Tank ID: Tank Status: Installation Year: Last Permit Printed: **Current Permit Printed:** Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: **Owner Replacement Name:** NonPetroleum Substance: **Owner Replacement Title:** Hazards: Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: Longitude: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: KS Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: VP Owner ID: Owner Type: **Owner Name: Owner Address:** Owner Citv: Owner State:

GARMIN 3 PLUS Facility Center 816-221-0755 Not reported Kim Suter 02522 Private Or Corp. SACO PETROLEUM INC 12836 POLFER RD KANSAS CITY 66109 CLAY 913-948-6220 Not reported 001 Permanently Out Of Use 1978 Not reported Not reported WGS84 091990 Steel Gas (Incl Alcohol) **KEN SUTER** Not reported Not reported Fire, Chronic, Acute 39.29683 -94.90949 06464 1824 S 4TH LEAVENWORTH 66048 1990-09-15 00:00:00 3000 None 816-221-0755 None Galv Steel **GARMIN 3 PLUS** Facility Center 816-221-0755 Not reported Kim Suter 02522 Private Or Corp. SACO PETROLEUM INC 12836 POLFER RD **KANSAS CITY** KS

Database(s)

EDR ID Number EPA ID Number

SACO PETROLEUM (Continued)

Owner Zip: 66109 Owner County: CLAY Owner Phone: 913-948-6220 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 002 Tank Status: Permanently Out Of Use Installation Year: 1966 Last Permit Printed: Not reported Current Permit Printed: Not reported WGS84 Facility Datum: Out of service Mo/Yr: 091990 Material of Construction: Steel Petroleum Substance: Gas (Incl Alcohol) **Owner Replacement Name:** KEN SUTER NonPetroleum Substance: Not reported Not reported **Owner Replacement Title:** Hazards: Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29683 -94.90949 Longitude: Facility ID: 06464 Facility 911 Address: 1824 S 4TH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: 1990-09-15 00:00:00 Capacity (Gals): 3000 Tank Internal Protection: None 816-221-0755 24 Hour Phone Num: Tank External Protection: None Piping: Galv Steel Facility Location Method: **GARMIN 3 PLUS** Facility Feature: **Facility Center** Facility Phone: 816-221-0755 Tank Empty: Not reported Contact Name: Kim Suter Contact Title: VP Owner ID: 02522 Owner Type: Private Or Corp. **Owner Name:** SACO PETROLEUM INC Owner Address: 12836 POLFER RD Owner City: KANSAS CITY Owner State: KS 66109 Owner Zip: **Owner County:** CLAY Owner Phone: 913-948-6220 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 003 Tank Status: Permanently Out Of Use 1966 Installation Year: Last Permit Printed: Not reported **Current Permit Printed:** Not reported WGS84 Facility Datum: Out of service Mo/Yr: 091990

Database(s)

EDR ID Number EPA ID Number

SACO PETROLEUM (Continued)

Material of Construction: Steel Gas (Incl Alcohol) Petroleum Substance: Owner Replacement Name: KEN SUTER NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Fire, Chronic, Acute Hazards: Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29683 -94.90949 Longitude: Facility ID: 06464 Facility 911 Address: 1824 S 4TH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: 1990-09-15 00:00:00 Capacity (Gals): 3000 Tank Internal Protection: None 24 Hour Phone Num: 816-221-0755 Tank External Protection: None Piping: Galv Steel Facility Location Method: **GARMIN 3 PLUS** Facility Feature: Facility Center Facility Phone: 816-221-0755 Tank Empty: Not reported Kim Suter Contact Name: Contact Title: VP Owner ID: 02522 Owner Type: Private Or Corp. SACO PETROLEUM INC Owner Name: Owner Address: 12836 POLFER RD Owner City: KANSAS CITY **Owner State:** KS Owner Zip: 66109 CLAY Owner County: 913-948-6220 Owner Phone: QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 004 Permanently Out Of Use Tank Status: Installation Year: 1966 Last Permit Printed: Not reported Current Permit Printed: Not reported WGS84 Facility Datum: Out of service Mo/Yr: 091990 Material of Construction: Steel Petroleum Substance: Gas (Incl Alcohol) **Owner Replacement Name:** KEN SUTER NonPetroleum Substance: Not reported Not reported **Owner Replacement Title:** Fire, Chronic, Acute Hazards: Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 39.29683 Latitude: Longitude: -94.90949

Database(s)

EDR ID Number EPA ID Number

D13 NNW 1/8-1/4 0.144 mi. 758 ft.	GNB INCORPORATED 1901 S 4TH ST LEAVENWORTH, KS 66048 Site 3 of 7 in cluster D	KS LUST U001735780 KS UST N/A
	Site 3 of 7 in cluster D LUST: Facility ID: Site Status: Release Date: Initial Report Date: Project Number: Project Name: Legal Desc Section: Legal Desc Township: Legal Desc Range: Discover Date: substrels: Initial Ranking: Current Ranking: Current Ranking: Current Ranking: Facility Contact: Facility Contact: Facility Owner Identification number: Facility Owner Identification number: Facility Owner Identification number: Facility Owner Identification number: Contra Contact Person: Owner Address: Owner City: Owner State: Owner Zip Code: Owner Zip Code: Owner Phone number: Contractor license number: Leak duration (if known): Quantity released (if known): Quantity recorded: Leak Type:	25420 Closed Not reported 04/28/1989 U4-052-00207 Gnb Battery 01 09S 22E Not reported diesel fuel Not reported Not reported Roger Seibold Not reported 23487 Gnb Battery, Inc. Not reported 1901 S. 4th Not reported Not reported KS Not reported Not reported N
	Reported By: Reported by persons phone number: Reported by person address: Ground water Impacted (yes/no): Static groundwater level: Groundwater flow direction: District staff names: Assessment of release: Contaimination assessement: Extent of contamination impact: Updated information: Invoice initiated: Invoice on going: Invoice completetd: Release confirmed: Emergencty contact: Enforcement action: Cost recovery: Cost recovery initiated by:	Not reported Not reported Not reported Not reported Not reported Meredith Roth excv1:1-1000, 1-2000 gal diesel usts removed. soil surrounding diesel usts had strong diesel odor. contam soil removed & stockpiled until tested & transported to landfill. excv2:1-500 gal gas ust removed.tph=nd, dreger. site closed 4/5/89. tanks removed unknown Not reported 19892 Not reported 19892 Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Pa992 Responsible Party

19893

Responsible Party

Not reported

Database(s)

EDR ID Number **EPA ID Number**

GNB INCORPORATED (Continued)

Facility 911 Zip:

Date Removed:

Capacity (Gals):

Cost recovery completed: Cost recovery completed by: Appplication to trust fund:

UST: Facility ID: 25420 Facility 911 Address: 1901 S 4TH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 1989-03-15 00:00:00 Date Removed: Capacity (Gals): 550 Tank Internal Protection: Unknown 24 Hour Phone Num: 913-682-1551 Tank External Protection: Unknown Piping: Unknown Facility Location Method: **GARMIN 3 PLUS** Facility Feature: Facility Center Facility Phone: 913-682-1551 Tank Empty: Not reported Don W Gray Contact Name: Contact Title: Plant Manager Owner ID: 23487 Owner Type: Private Or Corp. **GNB INCORPORATED Owner Name: Owner Address:** 1110 HIGHWAY 110 MENDOTA HEIGHTS Owner Citv: **Owner State:** MN Owner Zip: 55118 DAKOTA Owner County: Owner Phone: 612-681-5000 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 001 Tank Status: Permanently Out Of Use Installation Year: 1978 Last Permit Printed: Not reported Current Permit Printed: Not reported WGS84 Facility Datum: Out of service Mo/Yr: 031989 Material of Construction: Steel Petroleum Substance: Gas (Incl Alcohol) **Owner Replacement Name:** E C Milton NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29897 Longitude: -94.90871 Facility ID: 25420 Facility 911 Address: 1901 S 4TH Facility 911 City: LEAVENWORTH Facility 911 State: KS

66048

1989-03-15 00:00:00

1000

Database(s)

EDR ID Number **EPA ID Number**

GNB INCORPORATED (Continued)

Tank Internal Protection: Unknown 913-682-1551 24 Hour Phone Num: Tank External Protection: Unknown Unknown Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: 23487 Owner Type: Owner Name: Owner Address: Owner City: Owner State: MN 55118 Owner Zip: Owner County: Owner Phone: QTY Remaining in Tank: Facility District: NE Tank ID: 002 Tank Status: Installation Year: 1961 Last Permit Printed: Current Permit Printed: Facility Datum: Out of service Mo/Yr: 031989 Material of Construction: Steel Diesel Petroleum Substance: **Owner Replacement Name:** NonPetroleum Substance: **Owner Replacement Title:** Hazards: Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: Longitude: Facility ID: 25420 Facility 911 Address: Facility 911 City: Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: 1000 Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: 23487 Owner Type:

GARMIN 3 PLUS Facility Center 913-682-1551 Not reported Don W Gray Plant Manager Private Or Corp. GNB INCORPORATED 1110 HIGHWAY 110 MENDOTA HEIGHTS DAKOTA 612-681-5000 Not reported Permanently Out Of Use Not reported Not reported WGS84 E C Milton Not reported Not reported Not reported 39.29897 -94.90871 1901 S 4TH LEAVENWORTH 1989-03-15 00:00:00 Unknown 913-682-1551 Unknown Unknown **GARMIN 3 PLUS** Facility Center 913-682-1551 Not reported Don W Gray Plant Manager Private Or Corp.

Database(s)

EDR ID Number EPA ID Number

GNB INCORPORATED (Continued)

GNB INCORPORATED Owner Name: 1110 HIGHWAY 110 Owner Address: Owner City: MENDOTA HEIGHTS Owner State: MN Owner Zip: 55118 **Owner County:** DAKOTA Owner Phone: 612-681-5000 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 003 Permanently Out Of Use Tank Status: Installation Year: 1961 Last Permit Printed: Not reported **Current Permit Printed:** Not reported WGS84 Facility Datum: Out of service Mo/Yr: 031989 Material of Construction: Steel Petroleum Substance: Diesel **Owner Replacement Name:** E C Milton NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29897 Longitude: -94.90871 Facility ID: 25420 Facility 911 Address: 1901 S 4TH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: Not reported Capacity (Gals): Not reported Tank Internal Protection: Unknown 24 Hour Phone Num: 913-682-1551 Tank External Protection: Unknown Piping: Unknown Facility Location Method: **GARMIN 3 PLUS** Facility Feature: **Facility Center** Facility Phone: 913-682-1551 Tank Empty: Not reported Contact Name: Don W Gray Contact Title: Plant Manager Owner ID: 23487 Private Or Corp. Owner Type: Owner Name: GNB INCORPORATED Owner Address: 1110 HIGHWAY 110 Owner City: MENDOTA HEIGHTS Owner State: ΜN Owner Zip: 55118 Owner County: DAKOTA Owner Phone: 612-681-5000 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 004 Tank Status: Permanently Out Of Use Installation Year: 1900

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

U001735780

GNB INCORPORATED (Continued)

Last Permit Printed:	Not reported	
Current Permit Printed:	Not reported	
Facility Datum:	WGS84	
Out of service Mo/Yr:	Not reported	
Material of Construction:	Unknown	
Petroleum Substance:	Empty	
Owner Replacement Name:	E C Milton	
NonPetroleum Substance:	Not reported	
Owner Replacement Title:	Not reported	
Hazards:	Not reported	
Principal CERCLA Substance/Chem Abstra	act Service Num:	Not reported
Latitude:	39.29897	
Longitude:	-94.90871	

D14 TIRE TOWN, INC.

Actual: 817 ft.

NNW 1/8-1/4 0.164 mi.	1850 S. 4TH STREET LEAVENWORTH, KS 66048
866 ft.	Site 4 of 7 in cluster D
Relative: Higher	SWF/LF: Facility Status:

Facility Status:	Active
Permit Number:	2142
Owner Type:	Privately Owned
Owner Name:	Tire Town, Inc.
Facility Phone:	913-682-3201
Permit Type:	Tire Processing Facility
Permit Code:	T-tire
Solid Waste Key:	Not reported
Permittee Name:	Tire Town, Inc.
BWM Permit Manager:	Not reported
Past Permit Types:	Not reported
BWM Hydrology Manager:	Not reported
BER Oversight:	Not reported
BER Project Manager:	Not reported
Special Facility/Waste Types:	Not reported
Industrial Waste Types:	Not reported
District:	Not reported
Hours of Operation:	8-5 M-S
Comments:	Not reported
Directions:	South edge of Leavenworth on K-7

KS SWF/LF S123268930 N/A

KS SWF/LF S123268929 N/A

D15 NNW 1/8-1/4 0.164 mi. 866 ft.	TIRE TOWN, INC. 1850 S. 4TH ST. LEAVENWORTH, KS 66048 Site 5 of 7 in cluster D	
Relative: Higher Actual: 817 ft.	SWF/LF: Facility Status: Permit Number: Owner Type: Owner Name: Facility Phone: Permit Type: Permit Code:	Active 2000 Privately Owned Duane Becker Not reported Tire Transporter T-tire

Map ID Direction Distance Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

TIRE TOWN, INC. (Continued)

Solid Waste Key: Not reported Permittee Name: Not reported BWM Permit Manager: Not reported Past Permit Types: **Tire Processing Facility** BWM Hydrology Manager: Not reported BER Oversight: Not reported BER Project Manager: Not reported Special Facility/Waste Types: Not reported Industrial Waste Types: Not reported District: Not reported Not reported Hours of Operation: Not reported Comments: Directions: Not reported

D16 SACO SERVICE STATION NNW 1824 S 4TH LEAVENWORTH, KS

1/8-1/4

0.169 mi.

Site 6 of 7 in cluster D

892 ft. Relative: Higher

Actual:

820 ft.

LUST: Facility ID: Site Status: Release Date: Initial Report Date: Project Number: Project Name: Legal Desc Section: 36 08S Legal Desc Township: 22E Legal Desc Range: **Discover Date:** substrels: Initial Ranking: Current Ranking: Facility Contact: Facility Phone Number: Facility Owner Identification number: Facility Owner: **Owner Contact Person:** Owner Address: Owner City: Owner State: Owner Zip Code: Owner Phone number: Contractor license number: Contractor phone number: Leak duration (if known): Quantity released (if known): Not reported Quantity recorded: Not reported Leak Type: Piping Reported By: Not reported Reported by persons phone number: Not reported Reported by person address: Not reported Ground water Impacted (yes/no): Not reported Static groundwater level: Not reported Groundwater flow direction: Not reported District staff names: Not reported

Assessment of release:

06464 Closed Not reported 09/04/1990 U4-052-00638 Saco Service 09/04/1990 gasoline Not reported Not reported Kenny Suter Not reported 02522 Not reported 785-727-3240 Not reported

S123268929

KS LUST S101835276 N/A

TC05723933.2r Page 43

They remove three 3,000 gallon and one 12,000 gallon USTs. They

EDR ID Number **EPA ID Number** Database(s)

SACO SERVICE STATION (Continued)

S101835276

Contaimination assessement: Extent of contamination impact: Updated information: Invoice initiated: Invoice on going: Invoice completetd: Release confirmed: Emergencty contact: Enforcement action: Cost recovery: Cost recovery initiated: Cost recovery initiated by: Cost recovery completed: Cost recovery completed by: Appplication to trust fund:

transported 100 yards of soil to Ottawa Co. landfill and 350 yards were land farmed. Not reported none Not reported 19904 Not reported 19904 19904 Not reported Not reported Not reported 19904 **Responsible Party** 19904 **Responsible Party** Not reported

D17 **O'REILLY AUTO PARTS STORE 146** NNW **1824 SOUTH FOURTH STREET** 1/8-1/4 LEAVENWORTH, KS 66048 0.169 mi. 892 ft. Site 7 of 7 in cluster D **Relative:** RCRA-CESQG: Higher Date form received by agency: 03/06/2017 Facility name: Actual: Facility address: 820 ft. EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone:

O'REILLY AUTO PARTS STORE 146 1824 SOUTH FOURTH STREET LEAVENWORTH, KS 66048 KSR547338623 233 S PATTERSON AVE SPRINGFIELD, MO 65802 JOHN BOUNDS Not reported Not reported Not reported 417-520-4589 JBOUNDS2@OREILLYAUTO.COM Contact email: EPA Region: 07 Conditionally Exempt Small Quantity Generator Classification: Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary: Owner/operator name:

O'REILLY AUTO ENTERPRISES LLC

RCRA-CESQG 1018274901 FINDS **ECHO**

KSR547338623

Database(s)

EDR ID Number EPA ID Number

O'REILLY AUTO PARTS STORE 146 (Continued)

REILLI AUTO FARTS STOP	(Continued)
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone	: Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension	
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1993
Owner/Op end date:	Not reported
Owner/operator name:	JOHN BOUNDS
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone	: Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1993
Owner/Op end date:	Not reported
Handler Activities Summary: U.S. importer of hazardous Mixed waste (haz. and rac Recycler of hazardous wa Transporter of hazardous s Treater, storer or disposer Underground injection acti On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to b Used oil Specification mar Used oil transfer facility: Used oil transporter:	lioactive): No ste: No waste: No of HW: No vity: No No No No No No No No
Historical Generators: Date form received by age Site name: Classification: Date form received by age Site name: Classification:	O'REILLY AUTO PARTS STORE 146 Conditionally Exempt Small Quantity Generator
-	

Hazardous Waste Summary:

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

1018274901

Database(s)

EDR ID Number EPA ID Number

. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code: . Waste name:	F001 THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASIN CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS L IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE
	SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. Waste code: . Waste name:	F002 THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFC USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THI ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AN F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN SPENT SOLVENT MIXTURES.
. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHY ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVE MIXTURES.
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHY KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLEI CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVEN LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Violation Status:	No violations found
INDS:	
Registry ID:	110067679612
Conseven	nformation System Info is a national information system that supports the Resource ervation and Recovery Act (RCRA) program through the tracking of and activities related to facilities that generate, transport, eat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

EDR ID Number Database(s) EPA ID Number

1018274901

O'REILLY AUTO PARTS STORE 146 (Continued)

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO: Envid: Registry ID: DFR URL:

1018274901 110067679612 http://echo.epa.gov/detailed-facility-report?fid=110067679612

E18 NE 1/8-1/4 0.175 mi.	LEAVENWORTH ASPHALT MATERIALS, 1901 S. 2ND ST. LEAVENWORTH, KS 66048		KS AST	A100336146 N/A
925 ft.	Site 1 of 2 in cluster E			
925 ft. Relative: Higher Actual: 785 ft.	Site 1 of 2 in cluster EAST:Facility ID:Facility 911 Address:Facility 911 City:Facility 911 State:Facility 911 Zip:Date Removed:Capacity (Gals):Tank Internal Protection:24 Hour Phone Num:Tank Internal Protection:24 Hour Phone Num:Tank External Protection:Piping:Facility Location Method:Facility Feature:Facility Feature:Facility Feature:Facility Phone:Tank Empty:Contact Name:Owner Type:Owner Type:Owner Type:Owner Address:Owner County:Owner Zip:Owner County:Owner Phone:QTY Remaining in Tank:Facility District:Tank Status:Installation Year:Last Permit Printed:Current Permit Printed:Facility Datum:Out of service Mo/Yr:Material of Construction:Petroleum Substance:Owner Replacement Name:NonPetroleum Substance:Owner Replacement Title:	44703 1901 S. 2ND ST. LEAVENWORTH KS 66048 Not reported 12000 Not reported Not reported Painted Bare Steel Not reported 913-682-1917 Not reported GREG KAAZ Not reported 44703 Private Or Corp. LEAVENWORTH ASPHALT MATERIALS, 5037 S 4TH ST LEAVENWORTH KS 66048-5030 052 913-682-1917 Not reported NE 001 Current In Use 2008 2017-06-12 00:00:00 2018-06-11 00:00:00 Not reported Not reported No		

EDR ID Number Database(s) EPA ID Number

LEAVENWORTH ASPHALT MATERIALS, (Continued)

WEINVORTITAOI TIAET MATERIAEO, (O	Jinnacaj
Principal CERCLA Substance/Chem Abstr Latitude:	ract Service Num: 68334-30-5 Not reported
Longitude:	Not reported
Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed:	44703 1901 S. 2ND ST. LEAVENWORTH KS 66048 Not reported
Capacity (Gals):	10000
Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping:	Not reported Not reported Painted Bare Steel
Facility Location Method:	Not reported
Facility Feature: Facility Phone: Tank Empty:	Not reported 913-682-1917 Not reported
Contact Name:	GREG KAAZ
Contact Title:	Not reported
Owner ID:	44703
Owner Type:	Private Or Corp.
Owner Name: Owner Address:	LEAVENWORTH ASPHALT MATERIALS, 5037 S 4TH ST
Owner City:	LEAVENWORTH
Owner State:	KS
Owner Zip:	66048-5030
Owner County:	052
Owner Phone:	913-682-1917
QTY Remaining in Tank:	Not reported
Facility District:	NE
Tank ID:	002
Tank Status:	Current In Use
Installation Year: Last Permit Printed:	2008 2017-06-12 00:00:00
Current Permit Printed:	2018-06-11 00:00:00
Facility Datum:	Not reported
Out of service Mo/Yr:	Not reported
Material of Construction:	Not reported
Petroleum Substance:	Used Oil
Owner Replacement Name:	GREG KAAZ
NonPetroleum Substance: Owner Replacement Title:	Not reported Not reported
Hazards:	Fire, Chronic
Principal CERCLA Substance/Chem Abstr	
Latitude:	Not reported
Longitude:	Not reported
Facility ID:	44703
Facility 911 Address:	1901 S. 2ND ST.
Facility 911 City:	LEAVENWORTH
Facility 911 State:	KS
Facility 911 Zip:	66048
Date Removed:	Not reported
Capacity (Gals): Tank Internal Protection:	10000 Not reported
TAIN IIILEITIAI FTULECIIUTI.	Not reported

A100336146

Database(s) E

EDR ID Number EPA ID Number

LEAVENWORTH ASPHALT MATERIALS, (Continued)

Not reported 24 Hour Phone Num: Tank External Protection: Painted Bare Steel Piping: Facility Location Method: Not reported Facility Feature: Not reported Facility Phone: 913-682-1917 Tank Empty: Not reported Contact Name: GREG KAAZ Contact Title: Not reported Owner ID: 44703 Owner Type: Private Or Corp. Owner Name: LEAVENWORTH ASPHALT MATERIALS, Owner Address: 5037 S 4TH ST Owner City: LEAVENWORTH Owner State: KS Owner Zip: 66048-5030 **Owner County:** 052 913-682-1917 **Owner Phone:** QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 003 Tank Status: Current In Use Installation Year: 2008 Last Permit Printed: 2017-06-12 00:00:00 2018-06-11 00:00:00 Current Permit Printed: Facility Datum: Not reported Out of service Mo/Yr: Not reported Material of Construction: Not reported Used Oil Petroleum Substance: **Owner Replacement Name:** GREG KAAZ Not reported NonPetroleum Substance: **Owner Replacement Title:** Not reported Hazards: Fire, Chronic Principal CERCLA Substance/Chem Abstract Service Num: 68334-30-5 Latitude: Not reported Longitude: Not reported Facility ID: 44703 Facility 911 Address: 1901 S. 2ND ST. LEAVENWORTH Facility 911 City: Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: Not reported 15000 Capacity (Gals): Tank Internal Protection: Not reported Not reported 24 Hour Phone Num: Tank External Protection: Painted Piping: Bare Steel Facility Location Method: Not reported Facility Feature: Not reported Facility Phone: 913-682-1917 Tank Empty: Not reported GREG KAAZ Contact Name: Contact Title: Not reported Owner ID: 44703

Private Or Corp.

LEAVENWORTH ASPHALT MATERIALS,

Owner Type:

Owner Name:

A100336146

Database(s)

EDR ID Number EPA ID Number

LEAVENWORTH ASPHALT MATERIALS, (Continued)

Owner Address: 5037 S 4TH ST LEAVENWORTH Owner City: Owner State: KS Owner Zip: 66048-5030 **Owner County:** 052 913-682-1917 **Owner Phone:** QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 004 Tank Status: Current In Use Installation Year: 2008 2017-06-12 00:00:00 Last Permit Printed: 2018-06-11 00:00:00 **Current Permit Printed:** Facility Datum: Not reported Out of service Mo/Yr: Not reported Material of Construction: Not reported Petroleum Substance: Used Oil **Owner Replacement Name:** GREG KAAZ NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Fire, Chronic Principal CERCLA Substance/Chem Abstract Service Num: 68334-30-5 Latitude: Not reported Longitude: Not reported Facility ID: 44703 Facility 911 Address: 1901 S. 2ND ST. Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: Not reported Capacity (Gals): 1000 Tank Internal Protection: Not reported 24 Hour Phone Num: Not reported Painted Tank External Protection: Bare Steel Piping: Facility Location Method: Not reported Facility Feature: Not reported Facility Phone: 913-682-1917 Tank Empty: Not reported Contact Name: GREG KAAZ Contact Title: Not reported Owner ID: 44703 Owner Type: Private Or Corp. **Owner Name:** LEAVENWORTH ASPHALT MATERIALS, Owner Address: 5037 S 4TH ST Owner City: LEAVENWORTH Owner State: KS Owner Zip: 66048-5030 Owner County: 052 **Owner Phone:** 913-682-1917 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 005 Tank Status: Current In Use Installation Year: 2008 Last Permit Printed: 2017-06-12 00:00:00

A100336146

Map ID	
Direction	
Distance	
Elevation	Site

Database(s) EF

EDR ID Number EPA ID Number

A100336146

LEAVENWORTH ASPHALT MATERIALS, (Continued)

Current Permit Printed:	2018-06-11 00:00:00	
Facility Datum:	Not reported	
Out of service Mo/Yr:	Not reported	
Material of Construction:	Not reported	
Petroleum Substance:	Diesel Clear	
Owner Replacement Name:	GREG KAAZ	
NonPetroleum Substance:	Not reported	
Owner Replacement Title:	Not reported	
Hazards:	Fire, Chronic, Acute	
Principal CERCLA Substance/Chem Abstr	act Service Num: 68476-34-6	
Latitude:	Not reported	
Longitude:	Not reported	

E19 LEAVENWORTH EXCAVATING & EQUIP

NE	1901 S 2ND ST.
1/8-1/4	LEAVENWORTH, KS 66048

0.175 mi. 925 ft. Site 2 of 2 in cluster E

Relative: Higher

Actual:

785 ft.

AST: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: Owner Name: Owner Address: Owner City: Owner State: Owner Zip: Owner County: Owner Phone: QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed: **Current Permit Printed:** Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: **Owner Replacement Name:**

44692 1901 S 2ND ST. LEAVENWORTH KS 66048 Not reported 10000 Not reported Not reported Painted Bare Steel Not reported Not reported 913-727-1234 Not reported GREG KAAZ Not reported 27842 Private Or Corp. LEAVENWORTH EXCAVATING & EQUIP 5037 S 4TH LEAVENWORTH KS 66048 LEAVENWORTH 913-682-3584 Not reported NE 001 Current In Use 2009 2017-06-12 00:00:00 2018-06-11 00:00:00 Not reported Not reported Double Wall **Diesel Clear** Greg D Kaaz

KS AST A100411193

N/A

Map ID Direction	
Distance	
Elevation	Site

EDR ID Number Database(s) EPA ID Number

		(Continued)	44400
	LEAVENWORTH EXCAVATING & EQUIP NonPetroleum Substance: Owner Replacement Title: Hazards: Principal CERCLA Substance/Chem A Latitude: Longitude:	Not reported Vice-president Fire, Chronic, Acute	411193
20 SSE 1/8-1/4 0.183 mi. 966 ft.	BESEL ROOFING & HEATING INC. 300 SANTA FE LEAVENWORTH, KS 66048	KS LUST U000 KS UST N/A KS Financial Assurance	198698
Actual: 780 ft.	Site Status: Release Date: Initial Report Date: Project Number: Project Name:	Closed Not reported 10/26/2017 U4-052-15073 Basel Poofing & Heating, Inc.	
	Project Name: Legal Desc Section: Legal Desc Township: Legal Desc Range: Discover Date:	Besel Roofing & Heating, Inc. 01 09S 22E Not reported	
	substrels: Initial Ranking: Current Ranking: Facility Contact: Facility Phone Number:	Not reported Not reported Not reported LARRY LANSING 913-772-0434	
	Facility Owner Identification number: Facility Owner: Owner Contact Person: Owner Address:	28116 GREENAMYRE, DAVID %LARRY LANSING DAVID Greenamyre 300 SANTA FE	
	Owner City: Owner State: Owner Zip Code: Owner Phone number:	LEAVENWORTH KS 66048 913-682-7000	
	Contractor license number: Contractor phone number: Leak duration (if known): Quantity released (if known): Quantity recorded:	C0603 913-685-2928 Not reported Not reported Not reported	
	Leak Type: Reported By: Reported by persons phone number: Reported by person address:	Not reported Not reported Not reported Not reported Not reported	
	Ground water Impacted (yes/no): Static groundwater level: Groundwater flow direction: District staff names:	Not reported Not reported Not reported Michael Law	
	Assessment of release: Contaimination assessement: Extent of contamination impact: Updated information:	Not reported Not reported Not reported One steel UST & copper lines were removed for off-site disposal (scrap metal). Both tank & copper lines were in good condition & no evidence	
	Invoice initiated:	of release was noted (odor, staining, etc.). Sample T-1 collected from floor of tank pit below STP sump & Spill 20181	

Not reported 20181

Not reported

Not reported

Not reported Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

BESEL ROOFING & HEATING INC. (Continued)

Invoice on going: Invoice completetd: Release confirmed: Emergencty contact: Enforcement action: Cost recovery: Cost recovery initiated: Cost recovery initiated by: Cost recovery completed: Cost recovery completed by: Appplication to trust fund:

UST:

Facility ID: 28116 Facility 911 Address: 300 SANTA FE Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: 2017-10-26 00:00:00 Capacity (Gals): 10000 Tank Internal Protection: Unknown 24 Hour Phone Num: 913-772-0347 Tank External Protection: Unknown Piping: Other **GARMIN 3 PLUS** Facility Location Method: Facility Feature: Facility Center Facility Phone: 913-772-0434 Tank Empty: Not reported Contact Name: LARRY LANSING Contact Title: MANAGER Owner ID: 28116 Owner Type: Current GREENAMYRE, DAVID %LARRY LANSI **Owner Name:** 300 SANTA FE Owner Address: Owner City: LEAVENWORTH **Owner State:** KS Owner Zip: 66048 **Owner County:** LEAVENWORTH Owner Phone: 913-682-7000 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 001 Tank Status: Permanently Out Of Use Installation Year: 1985 Last Permit Printed: 2012-06-22 00:00:00 **Current Permit Printed:** Not reported Facility Datum: WGS84 Out of service Mo/Yr: 10/26/ Material of Construction: Steel Petroleum Substance: Gas (Incl Alcohol) **Owner Replacement Name: DAVID** Greenamyre NonPetroleum Substance: Not reported Not reported **Owner Replacement Title:** Fire, Chronic, Acute Hazards: Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29222 Longitude: -94.90605

Database(s)

EDR ID Number EPA ID Number

	BESEL ROOFING & HEATI	NG INC. (Continued)		U000198698
	KS Financial Assurance: Facility ID: Financial Responsibility	28116 /: 3rd Party Liability Insurance		
F21 NNW 1/8-1/4 0.224 mi. 1184 ft.	GNB BATTERIES 1825 SOUTH FOURTH STR LEAVENWORTH, KS 6604 Site 1 of 4 in cluster F	EET	KS SHWS KS VCP	S109412327 N/A
Relative:	SHWS:			
Higher	Site ID:	1073		
Actual: 810 ft.	Has Env Use Control: Project code:	No C405270061		
01011.	PM Name:	ROSS, D.		
	Site Status:	Active		
	District Office:	NEDO		
	Lat/Long:	39.29907 / -94.90761		
	River Basin:	Missouri		
	Aquifer Yield:	Alluvial		
	Other Aquifers:	Not reported		
	Parent PC:	Not reported		
	Parent Name:	Not reported		
	CERCLIS ID:	Not reported		
	Discovery Date:	04/27/1995 21-30 feet		
	Depth To GW: Depth To Bedrock:	31-50 feet		
	Aquifer Yield:	0-10 gpm		
	GW Flow Direction:	E-SE		
	Acres Affected:	26-500 acres		
	Waste Present:	No		
	Product Present:	No		
	Program:	Voluntary Cleanup		
	Lead Agency:	BER - Redevelopment		
	Contaminants:	Heavy Metal, Refined Petroleum, VOC		
	Media Act:	Ground Water, Soil		
	Media Pot:	Not reported		
	Source:	Facility Operations, Underground Tank/Piping		
	Land Use:	Commercial, Industrial		
	Private well: Waste Present:	Monitoring Not reported		
	Product:	Not reported		
	Receptor Act:	Not reported		
	Receptor Pot:	Not reported		
	Remed Air:	Not reported		
	Remed Soil:	Not reported		
	Remed Water:	Not reported		
	Remedir:	Not reported		
	Alias:	DGS, LLC.		
	Eucan Number:	Not reported		
	Date:	Not reported		
	Activity Type:	Interim Remedial Measure - downgradient		
	Activity Status:	Underway 07/12/2010		
	Activity Start Date: Activity End Date:	Not reported		
	Narrative:	The property was owned by GNB (now Exide Technologies) to man	Ifacture	
	Handaro.	carnival equipment from 1923 to 1939. The facility was then		

EDR ID Number Database(s) EPA ID Number

GNB BATTERIES (Continued)

purchased by Gould, Inc. and batteries were manufactured until 1984. GNB purchased Gould and continued battery manufacture until 1989 when the facility became a battery distribution center. In 1990 a Phase I Environmental Assessment was conducted and several potential contaminant sources were identified. Additional investigations detected VOCs and metals, primarily lead, contamination. The lead issue was addressed through the State Cooperative Program (C4-052-00022). The ground water impacts were addressed through the pilot Voluntary Cleanup Program. Additional ground water investigations have been conducted to delineate the extent of contamination. Exide Corporation purchased GNB Technologies on September 29, 2000. Exide submitted an application to the VCPRP on March 5, 2002 to complete investigation activities and initiate a remedial strategy.

Exide sold the GNB property to Tire Town in October 2002. A Volunta ry Agreement under the name DGS, LLC. (02VCP0037) was executed on December 12,

2002.

DGS submitted a Voluntary Cleanup Proposal to address the ground wat er contamination on October 24, 2003. KDHE requested revisions and discussions followed. KDHE, DGS and the City of Leavenworth explored the possibility of placing an Environmental Use Control on down gradient City property and conducting long term monitoring once an adequate monitoring well network is installed. To that effect, the City of Leavenworth submitted an EUC application in December 2005.

As of late 2010, the construction activities that previously postpon ed well installation were completed and a round of sampling was conducted of the existing wells in October 2010 to determine the need for and correct placement of additional wells. Results indicated the existing potential for contamination to impact the nearby Five Mile Creek. DGS planned to install an additional well cluster to evaluate this and KDHE would collect surface water samples from Five Mile Creek, per the VCI Work Plan approved on February 28, 2011. Surface water samples did not identify any contaminants above the laboratory detection limit.

Access to the downgradient City property in order to install the add itional well cluster was agreed upon in 2012. In a June 2013 meeting, The wells were installed and the monitoring network was sampled in January 2013. DGS agreed to one year of quarterly static water level measurements of the monitoring well network.

On March 19, 2015, KDHE approved a change to a monitoring frequency of every four years.

Site ID:	1
Has Env Use Control:	١
Project code:	(
PM Name:	F
Site Status:	ŀ
District Office:	١
Lat/Long:	З
River Basin:	Ν
Aquifer Yield:	A
Other Aquifers:	١
Parent PC:	١
Parent Name:	Ν

1073 No C405270061 ROSS, D. **Active** NEDO 39.29907 / -94.90761 Missouri Alluvial Not reported Not reported Not reported

S109412327

TC05723933.2r Page 55

Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES (Continued)

S109412327

	52,
CERCLIS ID: Discovery Date: Depth To GW: Depth To Bedrock: Aquifer Yield: GW Flow Direction: Acres Affected: Waste Present: Product Present: Product Present: Product Present: Program: Lead Agency: Contaminants: Media Act: Media Act: Media Pot: Source: Land Use: Private well: Waste Present: Product: Receptor Act: Receptor Pot: Devent Act	Not reported 04/27/1995 21-30 feet 31-50 feet 0-10 gpm E-SE 26-500 acres No No Voluntary Cleanup BER - Redevelopment Heavy Metal, Refined Petroleum, VOC Ground Water, Soil Not reported Facility Operations, Underground Tank/Piping Commercial, Industrial Monitoring Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Program:	Voluntary Cleanup
-	
• •	•
	5
•	
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	DGS, LLC.
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Interim Remedial Measure - downgradient
Activity Status:	Underway
Activity Start Date:	07/12/2010
Activity End Date:	Not reported
Narrative:	The property was owned by GNB (now Exide Technologies) to manufacture carnival equipment from 1923 to 1939. The facility was then
	purchased by Gould, Inc. and batteries were manufactured until 1984. GNB purchased Gould and continued battery manufacture until 1989
	when the facility became a battery distribution center. In 1990 a
	Phase I Environmental Assessment was conducted and several potential contaminant sources were identified. Additional investigations
	detected VOCs and metals, primarily lead, contamination. The lead
	issue was addressed through the State Cooperative Program
	(C4-052-00022). The ground water impacts were addressed through the
	pilot Voluntary Cleanup Program. Additional ground water
	investigations have been conducted to delineate the extent of
	contamination. Exide Corporation purchased GNB Technologies on
	September 29, 2000. Exide submitted an application to the VCPRP on
	March 5, 2002 to complete investigation activities and initiate a
	remedial
	strategy.
	Exide sold the GNB property to Tire Town in October 2002. A Volunta
	ry Agreement under the name DGS, LLC. (02VCP0037) was executed on
	December 12,
	2002.
	DGS submitted a Voluntary Cleanup Proposal to address the ground wat er contamination on October 24, 2003. KDHE requested revisions and discussions followed KDHE DGS and the City of Leavenworth explored

discussions followed. KDHE, DGS and the City of Leavenworth explored the possiblility of placing an Environmental Use Control on down

Database(s)

EDR ID Number **EPA ID Number**

GNB BATTERIES (Continued)

gradient City property and conducting long term monitoring once an adequate monitoring well network is installed. To that effect, the City of Leavenworth submitted an EUC application in December 2005.

As of late 2010, the construction activities that previously postpon ed well installation were completed and a round of sampling was conducted of the existing wells in October 2010 to determine the need for and correct placement of additional wells. Results indicated the existing potential for contamination to impact the nearby Five Mile Creek. DGS planned to install an additional well cluster to evaluate this and KDHE would collect surface water samples from Five Mile Creek, per the VCI Work Plan approved on February 28, 2011. Surface water samples did not identify any contaminants above the laboratory detection limit.

Access to the downgradient City property in order to install the add itional well cluster was agreed upon in 2012. In a June 2013 meeting, The wells were installed and the monitoring network was sampled in January 2013. DGS agreed to one year of guarterly static water level measurements of the monitoring well network.

of every four years.

1073 Site ID: Has Env Use Control: No Project code: PM Name: ROSS, D. Site Status: Active District Office: NEDO Lat/Long: River Basin: Missouri Aquifer Yield: Alluvial Other Aquifers: Parent PC: Parent Name: CERCLIS ID: Discovery Date: 21-30 feet Depth To GW: Depth To Bedrock: 31-50 feet Aquifer Yield: 0-10 gpm GW Flow Direction: E-SE Acres Affected: Waste Present: No Product Present: No Program: Lead Agency: Contaminants: Media Act: Media Pot: Source: Land Use: Private well: Monitoring Waste Present: Product: Receptor Act: Receptor Pot: Not reported Remed Air: Not reported Remed Soil: Not reported

On March 19, 2015, KDHE approved a change to a monitoring frequency C405270061 39.29907 / -94.90761 Not reported Not reported Not reported Not reported 04/27/1995 26-500 acres Voluntary Cleanup BER - Redevelopment Heavy Metal, Refined Petroleum, VOC Ground Water, Soil Not reported Facility Operations, Underground Tank/Piping Commercial, Industrial Not reported Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

S109412327

GNB BATTERIES (Continued)

 carnival equipment from 1923 to 1939. The facility was inen purchased by Gould, Inc. and batteries were manufactured until 1984. GNB purchased Gould and continued battery manufacture until 1989 when the facility became a battery distribution center. In 1990 a Phase IE Environmental Assessment was conducted and several potential contaminant sources were identified. Additional investigations detected VOCs and metals, primarily lead, contamination. The lead issue was addressed through the State Cooperative Program (C4-052-00022). The ground water impacts were addressed through the pilot Voluntary Cleanup Program. Additional ground water investigations have been conducted to delineate the extent of contamination. Exide Corporation purchased GNB Technologies on September 29, 2000. Exide submitted an application to the VCPRP on March 5, 2002 to complete investigation activities and initiate a remedial strategy. Exide sold the GNB property to Tire Town in October 2002. A Volunta ry Agreement under the name DGS, LLC. (02VCP0037) was executed on December 12, 2002. DGS submitted a Voluntary Cleanup Proposal to address the ground wat er contamination on October 24, 2003. KDHE requested revisions and discussions followed. KDHE, DGS and the City of Leavenworth explored the possibility of placing an Environmental Use Control on down gradient City property and conducting long term monitoring once an adequate monitoring well network is installed. To that effect, the City of Leavenworth submitted an EUC application in December 2005. As of late 2010, the construction activities that previously postpon ed well installation were completed and a round of sampling was conducted of the existing volence to install an additional well. Results indicated the existing potential for contamination to impact the nearby Five Mile Creek, DGS planned to install an additional well custer to evaluate this and KDHE would collect surface water samples from Five Mile Creek, per the VCI Work Plan approved on Februa	GNB	INB BATTERIES (Continued)		
of every four years.		Remed Water: Remedir: Alias: Eucan Number: Date: Activity Type: Activity Status: Activity Start Date: Activity End Date:	Not reported Not reported DS, LLC. Not reported Interim Remedial Measure - downgradient Underway 07/12/2010 Not reported The property was owned by GNB (now Exide Technologies) to manufacture carnival equipment from 1923 to 1939. The facility was then purchased by Gould, Inc. and batteries were manufacture until 1984. GNB purchased Gould and continued battery manufacture until 1989. When the facility became a battery distribution center. In 1990 a Phase I Environmental Assessment was conducted and several potential contaminant sources were identified. Additional investigations detected VOCs and metals, primarily lead, contamination. The lead issue was addressed through the State Cooperative Program (C4-052-0022). The ground water impacts were addressed through the pilot Voluntary Cleanup Program. Additional ground water investigations have been conducted to delineate the extent of contamination. Exide Corporation purchased GNB Technologies on September 29, 2000. Exide submitted an application to the VCPRP on March 5, 2020 to complete investigation activities and initiate a remedial strategy. DSG submitted a Voluntary Cleanup Proposal to address the ground water frontamination on October 24, 2003. KDHE requested revisions and discussions followed. KDHE, DGS and the City of Leavenworth explored hep ossibility of placing an Environmental Use Control on down gradient City property and conducting long term monitoring once an adequate monitoring well network is installed. To that effect, the City of Leavenworth submitted an EUC application in December 2005. As of late 2010, the construction activities that previously postpon dwell installation were completed and a round of sampling was conducted of the existing wells in October 2010 to determine the need for ad correct placement of additional wells. Results indicated the resisting potential for contamination to impact the nearby Five Mile Creek, per the VCI Work Plan approved on February 28, 2011. Surface the additional wells. Results indicated the resisting potenti	
01.10 4070		Site ID:	of every four years.	

1073

Database(s)

EDR ID Number **EPA ID Number**

GNB BATTERIES (Continued)

Source:

Alias:

Date:

Has Env Use Control: No C405270061 Project code: PM Name: ROSS, D. Site Status: Active District Office: NEDO 39.29907 / -94.90761 Lat/Long: **River Basin:** Missouri Aquifer Yield: Alluvial Other Aquifers: Not reported Parent PC: Not reported Parent Name: Not reported CERCLIS ID: Not reported 04/27/1995 **Discovery Date:** Depth To GW: 21-30 feet Depth To Bedrock: 31-50 feet Aquifer Yield: 0-10 gpm GW Flow Direction: E-SE Acres Affected: 26-500 acres Waste Present: No Product Present: No Voluntary Cleanup Program: Lead Agency: **BER - Redevelopment** Heavy Metal, Refined Petroleum, VOC Contaminants: Media Act: Ground Water, Soil Media Pot: Not reported Facility Operations, Underground Tank/Piping Land Use: Commercial, Industrial Private well: Monitoring Waste Present: Not reported Not reported Product: Receptor Act: Not reported Receptor Pot: Not reported Remed Air: Not reported Remed Soil: Not reported Remed Water: Not reported Not reported Remedir: DGS, LLC. Eucan Number: Not reported Not reported Activity Type: Interim Remedial Measure - downgradient Activity Status: Underway Activity Start Date: 07/12/2010 Activity End Date: Not reported The property was owned by GNB (now Exide Technologies) to manufacture Narrative: carnival equipment from 1923 to 1939. The facility was then purchased by Gould, Inc. and batteries were manufactured until 1984. GNB purchased Gould and continued battery manufacture until 1989 when the facility became a battery distribution center. In 1990 a Phase I Environmental Assessment was conducted and several potential contaminant sources were identified. Additional investigations detected VOCs and metals, primarily lead, contamination. The lead issue was addressed through the State Cooperative Program (C4-052-00022). The ground water impacts were addressed through the pilot Voluntary Cleanup Program. Additional ground water investigations have been conducted to delineate the extent of contamination. Exide Corporation purchased GNB Technologies on September 29, 2000. Exide submitted an application to the VCPRP on

Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES (Continued)

S109412327

March 5, 2002 to complete investigation activities and initiate a remedial

strategy.

Exide sold the GNB property to Tire Town in October 2002. A Volunta ry Agreement under the name DGS, LLC. (02VCP0037) was executed on December 12, 2002.

JUZ.

DGS submitted a Voluntary Cleanup Proposal to address the ground wat er contamination on October 24, 2003. KDHE requested revisions and discussions followed. KDHE, DGS and the City of Leavenworth explored the possibility of placing an Environmental Use Control on down gradient City property and conducting long term monitoring once an adequate monitoring well network is installed. To that effect, the City of Leavenworth submitted an EUC application in December 2005.

As of late 2010, the construction activities that previously postpon ed well installation were completed and a round of sampling was conducted of the existing wells in October 2010 to determine the need for and correct placement of additional wells. Results indicated the existing potential for contamination to impact the nearby Five Mile Creek. DGS planned to install an additional well cluster to evaluate this and KDHE would collect surface water samples from Five Mile Creek, per the VCI Work Plan approved on February 28, 2011. Surface water samples did not identify any contaminants above the laboratory detection limit.

Access to the downgradient City property in order to install the add itional well cluster was agreed upon in 2012. In a June 2013 meeting, The wells were installed and the monitoring network was sampled in January 2013. DGS agreed to one year of quarterly static water level measurements of the monitoring well network.

On March 19, 2015, KDHE approved a change to a monitoring frequency of every four years.

VCP:

Site ID:	1073
Project code:	C405270061
PM Name:	ROSS, D.
Site Status:	Active
Lat/Long:	39.29907 / -94.90761
Program:	Voluntary Cleanup

F22 GNB BATTERIES, INC. NNW 1825 SOUTH FOURTH STREET 1/8-1/4 LEAVENWORTH, KS 66048 0.224 mi. 0.224 mi.

Site 2 of 4 in cluster F

0.224 mi. 1184 ft.

SHWS: Relative: Higher Site ID: 1065 Has Env Use Control: Yes Actual: Project code: C405200022 810 ft. PM Name: STITES, S. Site Status: **Resolved with restrictions** District Office: NEDO 39.29691 / -94.90821 Lat/Long: **River Basin:** Missouri Aquifer Yield: Alluvial

KS SHWS S109981277 KS INST CONTROL N/A

Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

Others Area ''	- Not non-ordered
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	KSD007150477
Discovery Date:	Not reported
Depth To GW:	21-30 feet
Depth To Bedrock:	31-50 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	E-SE
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Environmental Use Control
Lead Agency:	BER - Redevelopment
Contaminants:	Heavy Metal, Refined Petroleum, SVOC, VOC, Other (see Site Narrative)
Media Act:	Ground Water, Soil
Media Pot:	Ground Water, Surface Water
Source:	Facility Operations, Underground Tank/Piping, Other (see Site
	Narrative)
Land Use:	Commercial, Industrial
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Other Waste Destructive, Capping
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	03-EUC-0001
Date:	12/17/2004
Activity Type:	Corrective Action Report
Activity Status:	Completed
Activity Start Date:	09/22/1999
Activity End Date:	10/07/1999
Narrative:	Facility manufactured lead batteries at this site since 1939.
	Facility produced approximately 3000 batteries per day. Plant employs
	150 people who work three shifts five days/week. Max 450 lbs of
	elemental lead disposed over 9.5 acres. Lead is present adhering to
	hard rubber battery casings buried as fill under the parking area
	onsite during late 1950s/early 1960s. Sulfuric acid stored in tanks
	on site and motor fuel also stored petroleum fuels in 4 underground
	tanks. A process wastewater discharge lagoon was also
	onsite.
	Investigation plan submitted December 12/91. Company is presently do
	ing some remediation (onsite) of lead contaminated soils. Follow up
	on remediation that is ongoing (12/92). GNB submitted to KDHE in
	October, 1992 a site investigation report. The site investigation
	report characterized the vertical extent of contamination.
	Investigation did not characterize the full lateral extent of
	contamination off site property. Investigation detected heavy metals
	lead (184,000 parts per million (ppm) and Toxicity Characteristic
	Leaching Procedure of 175 milligrams per liter (mg/l)); total
	petroleum hydrocarbons (TPH) (31,500 ppm) and volatile organic
	compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil.
	Investigation also detected heavy metals (lead, 238 micrograms per

Database(s)

EDR ID Number **EPA ID Number**

GNB BATTERIES, INC. (Continued)

liter (ug/l); beryllium, 22ug/l; and cadmium, 80 ug/l), VOC's (trichloroethylene (TCE), 3000 ug/l; 1,2-dichloroethane, 160 ug/l; and tetrachloroethylene (PCE), 8 ug/l) in groundwater. (10/93) KDHE has contacted GNB management requesting that all further investigative and remedial work be performed through a Consent Order with KDHE.

(10/93)

GNB submitted a work plan to remediate lead-contaminated surficial s oils by excavating and fixating. Certain on-site and off-site soils impacted by lead (>500 milligrams per kilogram (mg/kg)) will be remediated in order to facilitate a plant expansion behind (east) of the plant. Fixated soil will be used as fill material to build a level parking area accomodating tractor-trailer parking and on/off-loading of inventory (3/95). A Letter Agreement was signed on January 11, 1995 for remediation of lead contaminated soils. Soil fixation approximately 80% completed (11/95).

Site management of groundwater issues only has been transferred to K DHE's pilot Vountary Clean-up Program (VCP) (KDHE Project No. C4-052-70061). The pilot Voluntary Agreement is 95-V-0002 and was executed on April 27, 1995. The pilot Voluntary Agreement was terminated when DGS, LLC assumed environmental responsibiliy for existing groundwater impacts (KDHE Project No. C4-052-70061).

On June 20, 1997, KDHE approved soil remediation/stabilization and asphalt cap and soil/vegetation cover over treated soils. June 30, 1999, the grading, capping, and paving at the site was completed. KDHE approved lead affected soil remediation and site restoration closure report of September 13, 1999. On January 3, 2000, KDHE terminated the letter agreement for lead contaminated soil remediation/stabilization

activities.

As agreed, the second component of the approved remedial strategy w as the enactment of deed restrctions to address the lead contamination remaining on the property. The deed restriction component was never enacted; therefore, this project is being re-opened via a September 8, 2003, letter to DGS, LLC, the current property owner and the entity that assumed environmental liability for this project.

DGS will participate in the EUC Program to address soil contaminatio n remaining at the property. The EUC application was submitted to KDHE on October 2, 2003 and the EUC Agreement executed on November 17, 2004. The latest inspection in March 2012 noted general compliance with the EUC Agreement noting the need to address animal burrowing into the cap.

Site ID: Has Env Use Control: Project code: PM Name: Site Status: District Office: Lat/Long: **River Basin:** Aquifer Yield: Other Aquifers: Parent PC:

1065 Yes C405200022 STITES, S. **Resolved with restrictions** NEDO 39.29691 / -94.90821 Missouri Alluvial Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

BATTERIES, INC. (Continued)			
Parent Name:	Not reported		
CERCLIS ID:	KSD007150477		
Discovery Date:	Not reported		
Depth To GW:	21-30 feet		
Depth To Bedrock:	31-50 feet		
Aquifer Yield:	0-10 gpm		
GW Flow Direction:	E-SE		
Acres Affected:	<5 acres		
Waste Present:	No		
Product Present:	No		
Program:	Environmental Use Control		
Lead Agency:	BER - Redevelopment		
Contaminants:	Heavy Metal, Refined Petroleum, SVOC, VOC, Other (see Site Narrative)		
Media Act:	Ground Water, Soil		
Media Pot:	Ground Water, Surface Water		
Source:	Facility Operations, Underground Tank/Piping, Other (see Site		
	Narrative)		
Land Use:	Commercial, Industrial		
Private well:	Not reported		
Waste Present:	Not reported		
Product:	Not reported		
Receptor Act:	Not reported		
Receptor Pot:	Not reported		
Remed Air:	Not reported		
Remed Soil:	Other Waste Destructive, Capping		
Remed Water:	Not reported		
Remedir:	Not reported		
Alias:	Not reported		
Eucan Number:	03-EUC-0001		
Date:	12/17/2004		
Activity Type:	Corrective Action Report		
Activity Status:	Completed		
Activity Start Date:	09/22/1999		
Activity End Date:	10/07/1999		
Narrative:	Facility manufactured lead batteries at this site since 1939.		
	Facility produced approximately 3000 batteries per day. Plant employs		
	150 people who work three shifts five days/week. Max 450 lbs of		
	elemental lead disposed over 9.5 acres. Lead is present adhering to		
	hard rubber battery casings buried as fill under the parking area		
	onsite during late 1950s/early 1960s. Sulfuric acid stored in tanks		
	on site and motor fuel also stored petroleum fuels in 4 underground		
	tanks. A process wastewater discharge lagoon was also		
	onsite.		
	Investigation plan submitted December 12/91. Company is presently do		
	ing some remediation (onsite) of lead contaminated soils. Follow up		
	on remediation that is ongoing (12/92). GNB submitted to KDHE in		
	October, 1992 a site investigation report. The site investigation		
	report characterized the vertical extent of contamination.		
	Investigation did not characterize the full lateral extent of contamination off site property. Investigation detected heavy metals		
	lead (184,000 parts per million (ppm) and Toxicity Characteristic		
	Leaching Procedure of 175 milligrams per liter (mg/l)); total petroleum hydrocarbons (TPH) (31,500 ppm) and volatile organic		
	compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil.		
	Investigation also detected heavy metals (lead, 238 micrograms per		
	liter (ug/l); beryllium, 22ug/l; and cadmium, 80 ug/l), VOC's		
	(trichloroethylene (TCE), 3000 ug/l; 1,2-dichloroethane, 160 ug/l;		

EDR ID Number Database(s) EPA ID Number

GNB BATTERIES, INC. (Continued)

and tetrachloroethylene (PCE), 8 ug/l) in groundwater. (10/93) KDHE has contacted GNB management requesting that all further investigative and remedial work be performed through a Consent Order with KDHE.

(10/93)

GNB submitted a work plan to remediate lead-contaminated surficial s oils by excavating and fixating. Certain on-site and off-site soils impacted by lead (>500 milligrams per kilogram (mg/kg)) will be remediated in order to facilitate a plant expansion behind (east) of the plant. Fixated soil will be used as fill material to build a level parking area accomodating tractor-trailer parking and on/off-loading of inventory (3/95). A Letter Agreement was signed on January 11, 1995 for remediation of lead contaminated soils. Soil fixation approximately 80% completed (11/95).

Site management of groundwater issues only has been transferred to K DHE's pilot Vountary Clean-up Program (VCP) (KDHE Project No. C4-052-70061). The pilot Voluntary Agreement is 95-V-0002 and was executed on April 27, 1995. The pilot Voluntary Agreement was terminated when DGS, LLC assumed environmental responsibility for existing groundwater impacts (KDHE Project No. C4-052-70061).

On June 20, 1997, KDHE approved soil remediation/stabilization and asphalt cap and soil/vegetation cover over treated soils. June 30, 1999, the grading, capping, and paving at the site was completed. KDHE approved lead affected soil remediation and site restoration closure report of September 13, 1999. On January 3, 2000, KDHE terminated the letter agreement for lead contaminated soil remediation/stabilization

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Site ID: Has Env Use Control: Project code: PM Name: Site Status: District Office: Lat/Long: River Basin: Aquifer Yield: Other Aquifers: Parent PC: Parent Name: CERCLIS ID: 1065 Yes C405200022 STITES, S. **Resolved with restrictions** NEDO 39.29691 / -94.90821 Missouri Alluvial Not reported Not reported Not reported KSD007150477

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Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

Not reported

21-30 feet

31-50 feet

Discovery Date:

Depth To Bedrock:

GW Flow Direction:

Depth To GW:

Aquifer Yield:

Acres Affected:

Waste Present:

Lead Agency:

Contaminants:

Media Act: Media Pot:

Source:

Land Use:

Product:

Private well: Waste Present:

Receptor Act:

Receptor Pot: Remed Air:

Remed Soil: Remed Water:

Eucan Number:

Activity Type:

Narrative:

Activity Status:

Activity Start Date: Activity End Date:

Remedir:

Alias:

Date:

Program:

Product Present:

0-10 gpm E-SE <5 acres No No Environmental Use Control **BER - Redevelopment** Heavy Metal, Refined Petroleum, SVOC, VOC, Other (see Site Narrative) Ground Water, Soil Ground Water, Surface Water Facility Operations, Underground Tank/Piping, Other (see Site Narrative) Commercial, Industrial Not reported Not reported Not reported Not reported Not reported Not reported Other Waste Destructive, Capping Not reported Not reported Not reported 03-EUC-0001 12/17/2004 Corrective Action Report Completed 09/22/1999 10/07/1999 Facility manufactured lead batteries at this site since 1939. Facility produced approximately 3000 batteries per day. Plant employs 150 people who work three shifts five days/week. Max 450 lbs of elemental lead disposed over 9.5 acres. Lead is present adhering to hard rubber battery casings buried as fill under the parking area onsite during late 1950s/early 1960s. Sulfuric acid stored in tanks on site and motor fuel also stored petroleum fuels in 4 underground tanks. A process wastewater discharge lagoon was also onsite. Investigation plan submitted December 12/91. Company is presently do ing some remediation (onsite) of lead contaminated soils. Follow up

on remediation that is ongoing (12/92). GNB submitted conto KDHE in October, 1992 a site investigation report. The site investigation report characterized the vertical extent of contamination. Investigation did not characterize the full lateral extent of contamination off site property. Investigation detected heavy metals lead (184,000 parts per million (ppm) and Toxicity Characteristic Leaching Procedure of 175 milligrams per liter (mg/l)); total petroleum hydrocarbons (TPH) (31,500 ppm) and volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil. Investigation also detected heavy metals (lead, 238 micrograms per liter (ug/l); beryllium, 22ug/l; and cadmium, 80 ug/l), VOC's (trichloroethylene (TCE), 3000 ug/l; 1,2-dichloroethane, 160 ug/l; and tetrachloroethylene (PCE), 8 ug/l) in groundwater. (10/93) KDHE has contacted GNB management requesting that all further

EDR ID Number Database(s) EPA ID Number

GNB BATTERIES, INC. (Continued)

investigative and remedial work be performed through a Consent Order with KDHE.

(10/93)

GNB submitted a work plan to remediate lead-contaminated surficial s oils by excavating and fixating. Certain on-site and off-site soils impacted by lead (>500 milligrams per kilogram (mg/kg)) will be remediated in order to facilitate a plant expansion behind (east) of the plant. Fixated soil will be used as fill material to build a level parking area accomodating tractor-trailer parking and on/off-loading of inventory (3/95). A Letter Agreement was signed on January 11, 1995 for remediation of lead contaminated soils. Soil fixation approximately 80% completed (11/95).

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activities.

1065

21-30 feet

As agreed, the second component of the approved remedial strategy w as the enactment of deed restrctions to address the lead contamination remaining on the property. The deed restriction component was never enacted; therefore, this project is being re-opened via a September 8, 2003, letter to DGS, LLC, the current property owner and the entity that assumed environmental liability for this project.

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Site ID: Has Env Use Control: Project code: PM Name: Site Status: District Office: Lat/Long: River Basin: Aquifer Yield: Other Aquifers: Parent PC: Parent Name: CERCLIS ID: Discovery Date: Depth To GW:

Yes C405200022 STITES, S. **Resolved with restrictions** NEDO 39.29691 / -94.90821 Missouri Alluvial Not reported Not reported Not reported KSD007150477 Not reported

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Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

B BATTERIEO, INO. (O	, ontinueuy
Depth To Bedrock:	31-50 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	E-SE
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Environmental Use Control
Lead Agency:	BER - Redevelopment
Contaminants:	Heavy Metal, Refined Petroleum, SVOC, VOC, Other (see Site Narrative)
Media Act:	Ground Water, Soil
Media Pot:	Ground Water, Surface Water
Source:	Facility Operations, Underground Tank/Piping, Other (see Site
	Narrative)
Land Use:	Commercial, Industrial
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Other Waste Destructive, Capping
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	03-EUC-0001
Date:	12/17/2004
Activity Type:	Corrective Action Report
Activity Status:	Completed
Activity Start Date:	09/22/1999
Activity End Date: Narrative:	10/07/1999
Narralive.	Facility manufactured lead batteries at this site since 1939. Facility produced approximately 3000 batteries per day. Plant employs
	150 people who work three shifts five days/week. Max 450 lbs of
	elemental lead disposed over 9.5 acres. Lead is present adhering to
	hard rubber battery casings buried as fill under the parking area
	onsite during late 1950s/early 1960s. Sulfuric acid stored in tanks
	on site and motor fuel also stored petroleum fuels in 4 underground
	tanks. A process wastewater discharge lagoon was also
	onsite.
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	on remediation that is ongoing (12/92). GNB submitted to KDHE in
	October, 1992 a site investigation report. The site investigation
	report characterized the vertical extent of contamination.
	Investigation did not characterize the full lateral extent of
	contamination off site property. Investigation detected heavy metals
	lead (184,000 parts per million (ppm) and Toxicity Characteristic
	Leaching Procedure of 175 milligrams per liter (mg/l)); total
	petroleum hydrocarbons (TPH) (31,500 ppm) and volatile organic
	compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil.
	Investigation also detected heavy metals (lead, 238 micrograms per
	liter (ug/l); beryllium, 22ug/l; and cadmium, 80 ug/l), VOC's
	(trichloroethylene (TCE), 3000 ug/l; 1,2-dichloroethane, 160 ug/l;
	and tetrachloroethylene (PCE), 8 ug/l) in groundwater. (10/93) KDHE
	has contacted GNB management requesting that all further
	investigative and remedial work be performed through a Consent Order
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EDR ID Number Database(s) EPA ID Number

GNB BATTERIES, INC. (Continued)

(10/93)

GNB submitted a work plan to remediate lead-contaminated surficial s oils by excavating and fixating. Certain on-site and off-site soils impacted by lead (>500 milligrams per kilogram (mg/kg)) will be remediated in order to facilitate a plant expansion behind (east) of the plant. Fixated soil will be used as fill material to build a level parking area accomodating tractor-trailer parking and on/off-loading of inventory (3/95). A Letter Agreement was signed on January 11, 1995 for remediation of lead contaminated soils. Soil fixation approximately 80% completed (11/95).

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Site ID:	1065
Has Env Use Control:	Yes
Project code:	C405200022
PM Name:	STITES, S.
Site Status:	Resolved with restrictions
District Office:	NEDO
Lat/Long:	39.29691 / -94.90821
River Basin:	Missouri
Aquifer Yield:	Alluvial
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	KSD007150477
Discovery Date:	Not reported
Depth To GW:	21-30 feet
Depth To Bedrock:	31-50 feet
Aquifer Yield:	0-10 gpm

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Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

S109981277

GW Flow Direction:	E-SE
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Environmental Use Control
Lead Agency:	BER - Redevelopment
Contaminants:	Heavy Metal, Refined Petroleum, SVOC, VOC, Other (see Site Narrative)
Media Act:	Ground Water, Soil
Media Pot:	Ground Water, Surface Water
Source:	Facility Operations, Underground Tank/Piping, Other (see Site
	Narrative)
Land Use:	Commercial, Industrial
Private well:	Not reported
Waste Present:	· · · ·
Product:	Not reported
	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Other Waste Destructive, Capping
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	03-EUC-0001
Date:	12/17/2004
Activity Type:	Corrective Action Report
Activity Status:	Completed
Activity Start Date:	09/22/1999
Activity End Date:	10/07/1999
Narrative:	Facility manufactured lead batteries at this site since 1939.
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	Leaching Procedure of 175 milligrams per liter (mg/l)); total
	petroleum hydrocarbons (TPH) (31,500 ppm) and volatile organic
	compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil.
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	and tetrachloroethylene (PCE), 8 ug/l) in groundwater. (10/93) KDHE
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	with KDHE.
	(10/93)
	GNB submitted a work plan to remediate lead-contaminated surficial s

Database(s) EPA ID

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

oils by excavating and fixating. Certain on-site and off-site soils impacted by lead (>500 milligrams per kilogram (mg/kg)) will be remediated in order to facilitate a plant expansion behind (east) of the plant. Fixated soil will be used as fill material to build a level parking area accomodating tractor-trailer parking and on/off-loading of inventory (3/95). A Letter Agreement was signed on January 11, 1995 for remediation of lead contaminated soils. Soil fixation approximately 80% completed (11/95).

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Site ID: 1065 Has Env Use Control: Yes C405200022 Project code: PM Name: STITES, S. Site Status: **Resolved with restrictions** District Office: NEDO 39.29691 / -94.90821 Lat/Long: River Basin: Missouri Aquifer Yield: Alluvial Other Aquifers: Not reported Parent PC: Not reported Not reported Parent Name: CERCLIS ID: KSD007150477 Discovery Date: Not reported Depth To GW: 21-30 feet 31-50 feet Depth To Bedrock: Aquifer Yield: 0-10 gpm GW Flow Direction: E-SE Acres Affected: <5 acres

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Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

S109981277

Waste Present:	No
Product Present:	No
Program:	Environmental Use Control
Lead Agency:	BER - Redevelopment
Contaminants:	Heavy Metal, Refined Petroleum, SVOC, VOC, Other (see Site Narrative)
Media Act:	Ground Water, Soil
Media Pot:	Ground Water, Surface Water
Source:	Facility Operations, Underground Tank/Piping, Other (see Site Narrative)
Land Use:	Commercial, Industrial
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
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	(trichloroethylene (TCE), 3000 ug/l; 1,2-dichloroethane, 160 ug/l;
	and tetrachloroethylene (PCE), 8 ug/l) in groundwater. (10/93) KDHE
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	(10/93)
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oils by excavating and fixating. Certain on-site and off-site soils impacted by lead (>500 milligrams per kilogram (mg/kg)) will be

EDR ID Number Database(s) EPA ID Number

GNB BATTERIES, INC. (Continued)

remediated in order to facilitate a plant expansion behind (east) of the plant. Fixated soil will be used as fill material to build a level parking area accomodating tractor-trailer parking and on/off-loading of inventory (3/95). A Letter Agreement was signed on January 11, 1995 for remediation of lead contaminated soils. Soil fixation approximately 80% completed (11/95).

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INST CONTROL: Site ID: 1065 C405200022 Project Code: Date Signed: 12/17/2004 **Restriction Text:** Not reported EUCA Number: 52 EUC Group: **Specific Restrictions** EUC Type: Land Use Restrictions EUC Restriction: no residential uses EUCA Number Date: 03-EUC-0001 EUCA Signed: Not reported

Site ID: 1065 Project Code: C405200022 Date Signed: 12/17/2004 **Restriction Text:** Not reported EUCA Number: 52 EUC Group: **Specific Restrictions** EUC Type: Land Use Restrictions EUC Restriction: Preserve survey markers and/or monitoring stations EUCA Number Date: 03-EUC-0001

S109981277

Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

\mathbf{D}	John nueu)
EUCA Signed:	Not reported
Site ID:	1065
Project Code:	C405200022
Date Signed:	12/17/2004
Restriction Text:	Not reported
EUCA Number:	52
EUC Group:	Specific Restrictions
EUC Type:	Land Use Restrictions
EUC Restriction:	no agricultural uses
EUCA Number Date:	03-EUC-0001
EUCA Signed:	Not reported
Site ID:	1065
Project Code:	C405200022
Date Signed:	12/17/2004
Restriction Text:	Not reported
EUCA Number:	52
EUC Group:	Specific Restrictions
EUC Type:	Water Use Restrictions
EUC Restriction:	no drinking water wells
EUCA Number Date:	03-EUC-0001
EUCA Signed:	Not reported
Site ID: Project Code: Date Signed: Restriction Text: EUCA Number: EUC Group:	1065 C405200022 12/17/2004 no use which involves or may involve possible human consumption/contact. 52 Specific Restrictions
EUC Type:	Water Use Restrictions
EUC Restriction:	Other water use restriction:
EUCA Number Date:	03-EUC-0001
EUCA Signed:	Not reported
Site ID:	1065
Project Code:	C405200022
Date Signed:	12/17/2004
Restriction Text:	Not reported
EUCA Number:	52
EUC Group:	Specific Restrictions
EUC Type:	Water Use Restrictions
EUC Restriction:	no lawn and garden wells
EUCA Number Date:	03-EUC-0001
EUCA Signed:	Not reported
Site ID:	1065
Project Code:	C405200022
Date Signed:	12/17/2004
Restriction Text:	Not reported
EUCA Number:	52
EUC Group:	Specific Restrictions
EUC Type:	Notification to the Agency Prior to the Following Activities
EUC Restriction:	excavation
EUCA Number Date:	03-EUC-0001
EUCA Signed:	Not reported

S109981277

Database(s)

EDR ID Number EPA ID Number

GNB BATTERIES, INC. (Continued)

Site ID: 1065 Project Code: C405200022 Date Signed: 12/17/2004 Restriction Text: Not reported EUCA Number: 52 EUC Group: **Specific Restrictions** Notification to the Agency Prior to the Following Activities EUC Type: EUC Restriction: Notification to workers prior to excavation EUCA Number Date: 03-EUC-0001 EUCA Signed: Not reported Site ID: 1065 Project Code: C405200022 Date Signed: 12/17/2004 **Restriction Text:** Not reported EUCA Number: 52 EUC Group: Specific Restrictions EUC Type: Notification to the Agency Prior to the Following Activities EUC Restriction: Notification prior to property transfer EUCA Number Date: 03-EUC-0001 EUCA Signed: Not reported Site ID: 1065 C405200022 Project Code:

Site ID.1005Project Code:C405200022Date Signed:12/17/2004Restriction Text:Not reportedEUCA Number:52EUC Group:Local Ordinances and ZoningEUC Type:Zoned PropertyEUC Restriction:Heavy IndustrialEUCA Number Date:03-EUC-0001EUCA Signed:Not reported

F23 NNW 1/8-1/4 0.224 mi. 1184 ft.	GNB BATTERIES INC 1901 S 4TH ST LEAVENWORTH, KS 66048 Site 3 of 4 in cluster F		SEMS-ARCHIVE RCRA-CESQG	1015734030 KSD007150477
Relative: Higher Actual: 810 ft.	SEMS Archive: Site ID: EPA ID: Cong District: FIPS Code: FF: NPL: Non NPL Status: SEMS Archive Detail: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name:	0700472 KSD007150477 02 20103 N Not on the NPL NFRAP-Site does not qualify for the NPL based on 07 0700472 KSD007150477 GNB BATTERIES INC N N 00 VS ARCH SITE	existing information	

1

Not reported

Not reported

EPA Perf In-Hse

1983-11-01 05:00:00

Database(s)

EDR ID Number EPA ID Number

1015734030

GNB BATTERIES INC (Continued)

SEQ:

Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead:

07 0700472 KSD007150477 **GNB BATTERIES INC** Ν Ν 00 PA PA 1 1983-11-01 05:00:00 1983-11-01 05:00:00 Ν EPA Perf 07 0700472 KSD007150477 **GNB BATTERIES INC** Ν Ν 00 DS DISCVRY 1 1983-09-01 04:00:00 1983-09-01 04:00:00 Not reported EPA Perf

RCRA-CESQG:

:01/11/2002
EXIDE TECHNOLOGIES
1825 S 4TH
LEAVENWORTH, KS 66048
KSD007150477
S 4TH
LEAVENWORTH, KS 66048
MATT LOVE
3000 MONTROSE AVE
READING, PA 19605
US
610-921-4015
Not reported
07
Private
Conditionally Exempt Small Quantity Generator
Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar

Database(s) EPA ID N

EDR ID Number EPA ID Number

GNB BATTERIES INC (Continued)

1015734030

month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary: Owner/operator name:

Owner/operator name:	EXIDE TECHNOLOGIES
Owner/operator address:	210 CARNEGIE CTR STE 500
	PRINCETON, NJ 08540
Owner/operator country:	Not reported
Owner/operator telephone:	610-921-4015
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/11/2002
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:08/11/2000		
Site name:	EXIDE TECHNOLOGIES	
Classification:	Conditionally Exempt Small Quantity Generator	

 Date form received by agency: 02/24/1994

 Site name:
 GNB INCORPORATED

 Classification:
 Large Quantity Generator

Date form received by agency: 02/12/1992 Site name: GNB INC Classification: Large Quantity Generator **GNB BATTERIES INC (Continued)**

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	,
Date form received by agency	:03/05/1990
Site name:	GNB, INC.
Classification:	Large Quantity Generator
Date form received by agency	:01/01/1979
Site name:	EXIDE TECHNOLOGIES
Classification:	Not a generator, verified
Hazardous Waste Summary:	
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D008
. Waste name:	LEAD
Facility Has Received Notices of	Violations:
Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	01/18/1989
Date achieved compliance:	03/30/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/16/1989
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	01/18/1989
Date achieved compliance:	03/30/1989
Violation lead agency:	
Enforcement action:	WRITTEN INFORMAL
Enforcement action date: Enf. disposition status:	01/31/1989 Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Evoluction Action Summersu	
Evaluation Action Summary: Evaluation date:	00/00/1007
Evaluation date.	09/09/1997 COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	
Date achieved compliance:	Not reported Not reported
Evaluation lead agency:	State
Evaluation lead agency.	State
Evaluation date:	09/09/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported

1015734030

Database(s)

EDR ID Number **EPA ID Number**

1015734030

GNB BATTERIES INC (Continued)

Evaluation lead agency:	EPA-Initiated Oversight/Observation/Training Actions
Evaluation date:	03/30/1989
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/15/1989
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/18/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/30/1989
Evaluation lead agency:	State

DGS, L.L.C. F24

1825 S. FOURTH 1/8-1/4 LEAVENWORTH, KS 66048

Site 4 of 4 in cluster F

0.224 mi.

NNW

1184 ft.

Relative:

Higher Actual:

810 ft.

AST: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: **Owner Name:** Owner Address: Owner City: Owner State: Owner Zip: Owner County: Owner Phone: QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed:

43356 1825 S. FOURTH LEAVENWORTH KS 66048 2006-12-12 00:00:00 7000 Not reported 913-682-3201 Not reported Not reported **GARMIN 3 PLUS** Facility Center 913-682-3201 Not reported D.J. BECKER **Contact Person** 43356 Private Or Corp. DGS, L.L.C. 401 S. 2ND LEAVENWORTH KS 66048 LEAVENWORTH 913-682-3201 7000 NE 001 Permanently Out Of Use 1981 2000-10-30 00:00:00

KS AST A100225308 N/A

Database(s)

EDR ID Number EPA ID Number

DGS, L.L.C. (Continued)

Current Permit Printed: Not reported Facility Datum: WGS84 Out of service Mo/Yr: 12/200 Material of Construction: Steel Petroleum Substance: Empty D.J. BECKER **Owner Replacement Name:** NonPetroleum Substance: Not reported Owner Replacement Title: Not reported Not reported Hazards: Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29900 -94.90873 Longitude: Facility ID: 43356 Facility 911 Address: 1825 S. FOURTH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 2006-12-12 00:00:00 Date Removed: Capacity (Gals): 7000 Tank Internal Protection: Not reported 24 Hour Phone Num: 913-682-3201 Tank External Protection: Not reported Piping: Not reported GARMIN 3 PLUS Facility Location Method: Facility Feature: **Facility Center** Facility Phone: 913-682-3201 Tank Empty: Not reported Contact Name: D.J. BECKER Contact Title: **Contact Person** Owner ID: 43356 Owner Type: Private Or Corp. **Owner Name:** DGS, L.L.C. Owner Address: 401 S. 2ND LEAVENWORTH Owner City: Owner State: KS 66048 Owner Zip: **Owner County:** LEAVENWORTH **Owner Phone:** 913-682-3201 QTY Remaining in Tank: 7000 Facility District: NE Tank ID: 002 Tank Status: Permanently Out Of Use Installation Year: 1981 2000-10-30 00:00:00 Last Permit Printed: Current Permit Printed: Not reported Facility Datum: WGS84 Out of service Mo/Yr: 12/200 Material of Construction: Steel Petroleum Substance: Empty D.J. BECKER **Owner Replacement Name:** NonPetroleum Substance: Not reported Not reported **Owner Replacement Title:** Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported 39.29900 Latitude: Longitude: -94.90873

A100225308

Site

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

A100225308

DGS, L.L.C. (Continued)

Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Piping: Facility Location Method: Facility Feature: Facility Phone: Tank Empty: Contact Name: Contact Title: Owner ID: Owner Type: Owner Name: Owner Address: Owner City: **Owner State:** Owner Zip: **Owner County: Owner Phone:** QTY Remaining in Tank: Facility District: Tank ID: Tank Status: Installation Year: Last Permit Printed: **Current Permit Printed:** Facility Datum: Out of service Mo/Yr: Material of Construction: Petroleum Substance: **Owner Replacement Name:** NonPetroleum Substance: **Owner Replacement Title:** Hazards: Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: Longitude: Facility ID: Facility 911 Address: Facility 911 City: Facility 911 State: Facility 911 Zip: Date Removed: Capacity (Gals): Tank Internal Protection: 24 Hour Phone Num: Tank External Protection: Pipina: Facility Location Method:

43356 1825 S. FOURTH LEAVENWORTH KS 66048 2006-12-12 00:00:00 1500 Not reported 913-682-3201 Not reported Not reported **GARMIN 3 PLUS** Facility Center 913-682-3201 Not reported D.J. BECKER Contact Person 43356 Private Or Corp. DGS, L.L.C. 401 S. 2ND LEAVENWORTH KS 66048 LEAVENWORTH 913-682-3201 1500 NE 003 Permanently Out Of Use 1980 2000-10-30 00:00:00 Not reported WGS84 12/200 Fbr Ref Plastic Empty D.J. BECKER Not reported Not reported Not reported 39.29900 -94.90873 43356 1825 S. FOURTH LEAVENWORTH KS 66048 2006-12-12 00:00:00 1500 Not reported 913-682-3201 Not reported Not reported

GARMIN 3 PLUS

Database(s)

EDR ID Number EPA ID Number

A100225308

DGS, L.L.C. (Continued)

Facility Feature: Facility Center Facility Phone: 913-682-3201 Tank Empty: Not reported Contact Name: D.J. BECKER Contact Title: **Contact Person** Owner ID: 43356 Private Or Corp. Owner Type: Owner Name: DGS, L.L.C. Owner Address: 401 S. 2ND Owner City: LEAVENWORTH **Owner State:** KS Owner Zip: 66048 LEAVENWORTH Owner County: Owner Phone: 913-682-3201 QTY Remaining in Tank: 1500 Facility District: NE Tank ID: 004 Tank Status: Permanently Out Of Use Installation Year: 1980 2000-10-30 00:00:00 Last Permit Printed: **Current Permit Printed:** Not reported Facility Datum: WGS84 12/200 Out of service Mo/Yr: Material of Construction: Fbr Ref Plastic Petroleum Substance: Empty **Owner Replacement Name:** D.J. BECKER NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported 39.29900 Latitude: Longitude: -94.90873 Facility ID: 43356 Facility 911 Address: 1825 S. FOURTH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 2007-11-30 00:00:00 Date Removed: Capacity (Gals): 1500 Tank Internal Protection: Not reported 24 Hour Phone Num: 913-682-3201 Tank External Protection: Not reported Piping: Not reported **GARMIN 3 PLUS** Facility Location Method: Facility Feature: Facility Center Facility Phone: 913-682-3201 Tank Empty: Not reported Contact Name: D.J. BECKER Contact Person Contact Title: Owner ID: 43356 Owner Type: Private Or Corp. DGS, L.L.C. **Owner Name:** Owner Address: 401 S. 2ND LEAVENWORTH Owner City: **Owner State:** KS Owner Zip: 66048

Database(s)

EDR ID Number **EPA ID Number**

A100225308

DGS, L.L.C. (Continued)

Owner County: LEAVENWORTH Owner Phone: 913-682-3201 QTY Remaining in Tank: 1,500 Facility District: NE Tank ID: 005 Permanently Out Of Use Tank Status: Installation Year: 1999 Last Permit Printed: 2000-10-30 00:00:00 Current Permit Printed: Not reported Facility Datum: WGS84 11/200 Out of service Mo/Yr: Fbr Ref Plastic Material of Construction: Petroleum Substance: Not reported **Owner Replacement Name:** D.J. BECKER NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Not reported Hazards: Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29900 -94.90873 Longitude: Facility ID: 43356 Facility 911 Address: 1825 S. FOURTH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 2007-11-30 00:00:00 Date Removed: Capacity (Gals): 1500 Tank Internal Protection: Not reported 913-682-3201 24 Hour Phone Num: Not reported Tank External Protection: Piping: Not reported Facility Location Method: **GARMIN 3 PLUS** Facility Feature: Facility Center Facility Phone: 913-682-3201 Tank Empty: Not reported Contact Name: D.J. BECKER Contact Title: **Contact Person** Owner ID: 43356 Owner Type: Private Or Corp. Owner Name: DGS, L.L.C. Owner Address: 401 S. 2ND Owner City: LEAVENWORTH **Owner State:** KS Owner Zip: 66048 Owner County: LEAVENWORTH Owner Phone: 913-682-3201 QTY Remaining in Tank: 1,500 Facility District: NE Tank ID: 006 Tank Status: Permanently Out Of Use Installation Year: 1999 2000-10-30 00:00:00 Last Permit Printed: **Current Permit Printed:** Not reported Facility Datum: WGS84 Out of service Mo/Yr: 11/200 Material of Construction: Fbr Ref Plastic

Database(s)

EDR ID Number EPA ID Number

DGS, L.L.C. (Continued)

Petroleum Substance: Not reported D.J. BECKER **Owner Replacement Name:** NonPetroleum Substance: Not reported Owner Replacement Title: Not reported Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29900 Longitude: -94.90873 Facility ID: 43356 Facility 911 Address: 1825 S. FOURTH Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 2007-11-30 00:00:00 Date Removed: Capacity (Gals): 1500 Tank Internal Protection: Not reported 913-682-3201 24 Hour Phone Num: Tank External Protection: Not reported Piping: Not reported Facility Location Method: **GARMIN 3 PLUS** Facility Feature: Facility Center Facility Phone: 913-682-3201 Tank Empty: Not reported D.J. BECKER Contact Name: Contact Title: **Contact Person** Owner ID: 43356 Owner Type: Private Or Corp. **Owner Name:** DGS, L.L.C. Owner Address: 401 S. 2ND Owner City: LEAVENWORTH **Owner State:** KS Owner Zip: 66048 **Owner County:** LEAVENWORTH 913-682-3201 Owner Phone: QTY Remaining in Tank: 1,500 Facility District: NE Tank ID: 007 Permanently Out Of Use Tank Status: Installation Year: 1999 2000-10-30 00:00:00 Last Permit Printed: Current Permit Printed: Not reported Facility Datum: WGS84 Out of service Mo/Yr: 11/200 Material of Construction: Other Petroleum Substance: Not reported **Owner Replacement Name:** D.J. BECKER NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29900 -94.90873 Longitude: Facility ID: 43356 Facility 911 Address: 1825 S. FOURTH Facility 911 City: LEAVENWORTH

A100225308

Database(s)

EDR ID Number **EPA ID Number**

A100225308

DGS, L.L.C. (Continued)

Facility 911 State: KS 66048 Facility 911 Zip: Date Removed: 2007-11-30 00:00:00 Capacity (Gals): 1500 Tank Internal Protection: Not reported 913-682-3201 24 Hour Phone Num: Tank External Protection: Not reported Piping: Not reported Facility Location Method: **GARMIN 3 PLUS** Facility Feature: Facility Center Facility Phone: 913-682-3201 Tank Empty: Not reported D.J. BECKER Contact Name: Contact Title: **Contact Person** Owner ID: 43356 Private Or Corp. Owner Type: DGS, L.L.C. **Owner Name:** 401 S. 2ND **Owner Address:** Owner City: LEAVENWORTH Owner State: KS Owner Zip: 66048 LEAVENWORTH Owner County: Owner Phone: 913-682-3201 QTY Remaining in Tank: 1,500 Facility District: NE Tank ID: 008 Tank Status: Permanently Out Of Use Installation Year: 1999 2000-10-30 00:00:00 Last Permit Printed: Not reported Current Permit Printed: WGS84 Facility Datum: Out of service Mo/Yr: 11/200 Material of Construction: Other Petroleum Substance: Not reported **Owner Replacement Name:** D.J. BECKER Not reported NonPetroleum Substance: Not reported **Owner Replacement Title:** Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29900 Longitude: -94.90873

G25 **AMERICAN ROOFING**

SE 1/8-1/4 0.237 mi. 1253 ft.	2500 S 2ND (B) LEAVENWORTH, KS 66048 Site 1 of 2 in cluster G	3
Relative: Higher	RCRA NonGen / NLR:	22222 H OE /00/2016
U	Date form received by a	o ,
Actual:	Facility name:	
825 ft.	Facility address:	2500 S 2ND (B) LEAVENWORTH, KS 66048
	EPA ID:	KSR000009571
	Mailing address:	2500 S 2ND
	-	LEAVENWORTH, KS 66048
	Contact:	DALE MORRISON
	Contact address:	2500 S 2ND

RCRA NonGen / NLR 1001219335 FINDS KSR000009571 ECHO

Database(s)

EDR ID Number **EPA ID Number**

1001219335

AMERICAN ROOFING (Continued)

LEAVENWORTH, KS 66048 Contact country: US Contact telephone: 913-651-9717 Contact email: Not reported EPA Region: 07 Land type: Private Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: Owner/operator name: MIKE GREENAMYRE Owner/operator address: Not reported Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Owner 02/26/2003 Owner/Op start date: Owner/Op end date: Not reported DALE MORRISON Owner/operator name: Owner/operator address: Not reported Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported Owner/operator email: Not reported Not reported Owner/operator fax: Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 02/26/2003 Owner/Op end date: Not reported Handler Activities Summary: U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 01/26/2015 Site name: AMERICAN ROOFING

Database(s)

EDR ID Number EPA ID Number

1001219335

AMERICAN ROOFING (Continued)

Classification:	Conditionally Exempt Small Quantity Generator
	04/18/2014 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	02/28/2012 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	03/17/2011 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	02/19/2010 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	02/23/2009 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	03/27/2008 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	01/29/2007 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	02/01/2006 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	07/22/2005 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	03/05/2004 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	02/26/2003 AMERICAN ROOFING Conditionally Exempt Small Quantity Generator
	02/11/1998 AMERICAN ROOFING Small Quantity Generator
Hazardous Waste Summary:	
	D001 IGNITABLE WASTE
	D006 CADMIUM

Database(s)

EDR ID Number EPA ID Number

	AMERICAN ROOFING (Continue	ed)	1001219335
	. Waste code: . Waste name:	D008 LEAD	
	. Waste code: . Waste name:	D018 BENZENE	
	. Waste code: . Waste name:	D027 1,4-DICHLOROBENZENE	
	. Waste code: . Waste name:	D039 TETRACHLOROETHYLENE	
	. Waste code: . Waste name:	D040 TRICHLORETHYLENE	
	Violation Status:	No violations found	
	Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	10/26/2005 COMPLIANCE EVALUATION INSPECTION ON-SITE Not reported Not reported State	
	FINDS:		
	Registry ID:	110003210310	
	Conservat events and and treat, program s	nation System is a national information system that supports the Resource tion and Recovery Act (RCRA) program through the tracking of d activities related to facilities that generate, transport, store, or dispose of hazardous waste. RCRAInfo allows RCRA taff to track the notification, permit, compliance, and action activities required under RCRA.	
		hyperlink while viewing on your computer to access FINDS: detail in the EDR Site Report.	
	ECHO: Envid: Registry ID: DFR URL:	1001219335 110003210310 http://echo.epa.gov/detailed-facility-report?fid=110003210310	
G26 SE 1/8-1/4 0.237 mi. 1253 ft.	PROPERTY MGMT & MAINT INC 2500 S 2ND (A) LEAVENWORTH, KS 66048 Site 2 of 2 in cluster G	C RCRA NonGen / NLR FINDS ECHO	1000618297 KSD984993840
Relative: Higher Actual: 825 ft.	RCRA NonGen / NLR: Date form received by agend Facility name: Facility address: EPA ID:	cy: 05/09/2016 PROPERTY MGMT & MAINT INC 2500 S 2ND (A) LEAVENWORTH, KS 66048 KSD984993840	

Database(s)

EDR ID Number EPA ID Number

Contact:	DALE MORRISON
Contact address: 2	2500 S 2ND (A)
L	EAVENWORTH, KS 66048
Contact country: l	JS
Contact telephone: 9	913-772-1776
Contact email:	Not reported
EPA Region: 0)7
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste
Owner/Operator Summary:	
	DALE MORRISON
	Not reported
•	Not reported
	Private
	Dperator
)2/26/2003
	Not reported
Owner/operator name:	MICHAEL GREENAMYRE
Owner/operator address: N	Not reported
	Not reported
	Not reported
· · ·	Not reported
•	Not reported
•	Not reported
•	Not reported
5	Private
	Dwner
•	02/26/2003
Owner/Op end date:	Not reported
Handler Activities Summary:	
U.S. importer of hazardous was	
Mixed waste (haz. and radioacti	
Recycler of hazardous waste:	No
Transporter of hazardous waste	
Treater, storer or disposer of HV	
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner	
Used oil Specification marketer:	
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:01/26/2015

Database(s)

EDR ID Number EPA ID Number

PROPERTY MGMT & MAINT INC (Continued)

	Site name: Classification:	PROPERTY MGMT & MAINT INC Conditionally Exempt Small Quantity Generator
	Date form received by agency: Site name:	04/18/2014 PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency: Site name:	02/28/2012 PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency: Site name: Classification:	03/17/2011 PROPERTY MGMT & MAINT INC Conditionally Exempt Small Quantity Generator
	Date form received by agency: Site name:	:02/19/2010 PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Data form received by agoney	02/23/2000
	Date form received by agency: Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	03/27/2008
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	:01/26/2007
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	.02/01/2006
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	:07/22/2005
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	:03/05/2004
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Conditionally Exempt Small Quantity Generator
	Date form received by agency:	
	Site name:	PROPERTY MGMT & MAINT INC
	Classification:	Small Quantity Generator
Ha	azardous Waste Summary:	
	. Waste code:	D001
	. Waste name:	IGNITABLE WASTE

. Waste code: D018

Database(s)

EDR ID Number EPA ID Number

PROPERTY MGMT & MAINT INC (Continued) 1000618237 · Waste name: BENZENE · Waste name: DETRACHLOROETHYLENE · Violation Status: No violations found FNDS: Registry ID: 110003182740 Environmental Interest/Information system RCRAINIO is a national information system RCRAINIO IS Registry ID: 1000018297 Registry ID: 10000018297 Registry ID: 1000018297 Registry ID: 10					4000040007
Waste name: D039 Waste name: TETRACHLOROETHYLENE Waste name: TETRACHLOROETHYLENE Volation Status: No violations found FINDS: Rejers 110003192740 Environmental Interest/Information System that supports the Resource Conservation and Receivery Ad (RCRA) program through the tracking of conservation and Receivery Ad (RCRA) program through the tracking of conservation and Receivery Ad (RCRA) program through the tracking of corrective action activities required under RCRA. Clack this typerifitik while viewing on your computer to access additional FINDS: detail in the EDR Site Report. ECHO: ECHO: Envice: 1000618297 Registry ID: 110003192740 LEAVENWORTH, KS 1000618297 Registry ID: 110003192740 LEAVENWORTH, KS LEAVENWORTH, KS USSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS Site 1 of 2 in cluster H Registry ID: Registry: Not reported 3rd Oti: Not reported 3rd Oti: Not reported 3rd Oti: Not reported 3rd Oti: Not reported Attual: 220 pti In cluster H Relation: SUFLE: <t< th=""><th></th><th></th><th></th><th></th><th>1000618297</th></t<>					1000618297
 Waste name: TETRACHLOROETHYLENE Wolation Status: No violations found FINDS: Registry ID: 110003192740 Environmental Interest/Information System RCRAInfo: a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program through the tracking of conservation and Recovery Act (RCRA) program through the tracking of events and activities required under RCRA. Click this tryperfink while viewing on your computer to access additional FINDS: detail in the EDR Site Report. ECHO: EchO: Evid: 1000618237 Registry ID: 110003192740 DPR URL: http://echo.epa.gov/detailed-facility-report?fid=110003192740 LEAVENWORTH, KS LEAVENWORTH, KS LEAVENWORTH, KS Site 1 of 2 in cluster H Relative: Soft of 2 in cluster H Relative: Not reported Again: N					
FINDS: Registry D: 10003192740 Excellation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous wastes. RCRAInfo allows RCRA program start for track the notificiation, permit, compliance, and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous wastes. RCRAInfo allows RCRA program start for track the notificiation, permit, compliance, and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous wastes. RCRAInfo allows RCRA program staft for track the notificiation, permit, compliance, and activities related to facility responses. ECHO: Click this hyperfluit while viewing on your computer to access additional FINDS: detail in the EDR Site Report. MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS Track to fair cluster H Na 1727 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS 17274 ht Store of a cluster H 17274 ht Store of a cluster H 17274 ht Store of a cluster H 17274 ht Store ported 2740 ht Store ported 2741 ht Store ported 2742 ht Store ported 2743 ht Store ported <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
Registry ID: 10003192740 Environmental Interest/Information System Conservation and Recovery Act (RCRA) program through the tracking of operation and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program through the tracking of corrective action activities required under RCRA. Life: this hyperflink while viewing on your computer to access additional FINDS. detail in the EDR Site Report. Clife: this hyperflink while viewing on your computer to access additional FINDS. detail in the EDR Site Report. ECHO: Envisor 10000518297 Registry ID: 110003192740 DFR URL: http://echo.epa.gov/detailed-facility-report?id=110003192740 V17 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS \$116405825 Restative: CITY DUMPS: Missouri River Disposed AREA (052-MIS) KS CITY DUMPS \$116405825 Restative: CITY DUMPS: Missouri River Disposed AREA (052-MIS) KS SWFLE \$106407693 Restative: CITY DUMPS: Missouri River Disposed AREA (052-MIS) KS SWFLE \$106407693 Restative: CITY DUMPS: Missouri River Disposed AREA (052-MIS) KS SWFLE \$106407693 Restative: CITY DUMPS: Missouri River Disposed AREA (052-MIS) KS SWFLE \$106407693<		Violation Status:	No violations found		
Environmental Interest/Information System RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInto allows RCRA program stall to track the notification, permit, compliance, and corrective action activities required under RCRA. Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report. ECHO: 1000618297 Registry ID: 110003192740 DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003192740 H27 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS Site 1 of 2 in cluster H Registry ID: N/A H274 ft. Site 1 of 2 in cluster H KS CITY DUMPS: Higher 1 st Qtr: Not reported Actual: 2 nd Qtr: Not reported Registry: Not reported Not reported Range: 39.2961 Lative: 39.2961 Lative: 39.2961 Lative: Stife 4052-MIS KS SWF/LF: Higher Facility: Not reported Township: Not reported Not reported Castaria:		FINDS:			
RCRAInfo is a national information system that supports the Resource Conservery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report. ECHO: Envid: 1000618297 Registry ID: Registry ID: 110003192740 DFR URL: DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003192740 H27 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS: 110003192740 U241 mi, 1274 ft. Site 1 of 2 in cluster H Registry CI: Not reported Adt rownship: Vici reported Adtual: 392961 Longitude: Latitude: 392961 Latitude: U241 mi, 1276 ft. Site 2 of 2 in cluster H Registry: Not reported Adt rownship:: MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF Store ported Township:: Not reported Adt rownship:: Not reported Costaut: SWF/LF: Fighter Fallowice: Vici Latitude: 392961 Longitude: U242 mi, 127		Registry ID:	110003192740		
additional FINDS: detail in the EDR Šite Report. ECHO: Envid: 1000618297 Registry ID: 110003192740 DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003192740 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS 1/8-1/4 LEAVENWORTH, KS 0.241 mi. 2nd Ctr: Not reported Actual: 2nd Ctr: Not reported Actual: 92.9261 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF S106407693 NA Section: Not reported Section: Not reported 2section: Not reported Section: Not reported Township: Not reported Section: Not reported Lafitude: 39.2961 Longitude: -94.90215 NA H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF S106407693 H27 Township: Not reported NA NA 1/8-1/4 LEAVENWORTH, KS NA NA NA		Environmental In	RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and		
Envid: 1000618297 Registry ID: 110003192740 DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003192740 H27 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS CITY DUMPS East 1/8-1/4 LEAVENWORTH, KS 1/2-1/4 LEAVENWORTH, KS N/A 0.241 mi. 1st Qtr: Not reported Actual: 2nd Qtr: Not reported 3rd Qtr: Not reported Section: Ath Qtr: Not reported Range: Township: Not reported Range: Aronge:					
East 1/8-1/4 LEAVENWORTH, KS 0.241 mi. 1274 ft. Site 1 of 2 in cluster H Relative: CITY DUMPS: 1st Qtr: Not reported Actual: 2nd Qtr: Not reported 3eo ft. 3rd Qtr: Not reported Section: Not reported Section: Not reported Section: Not reported Latitude: -94.90215 H28 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) East 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Actual: Permit Number: Not reported Section closed: post-closure care completed/not required Section closed: post-closure care completed/not required Section closed: post-closure care completed/not required Section closed: post-closure care completed/not post-closed:		Envid: Registry ID:	110003192740	3192740	
1/8-1/4 LEAVENWORTH, KS 0.241 mi. Site 1 of 2 in cluster H Relative: CITY DUMPS: Higher 1 st Qtr: Not reported Actual: 2nd Qtr: Not reported 869 ft. 3rd Qtr: Not reported Actual: 2nd Qtr: Not reported 869 ft. 3rd Qtr: Not reported Actual: 2nd Qtr: Not reported Besction: Not reported Attual: Arge: Not reported Attual: Longitude: -94.90215 KS SWF/LF H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF Site 2 of 2 in cluster H Keatual: N/A 1/8-1/4 LEAVENWORTH, KS N/A 0.242 mi. SWF/LF: N/A 1276 ft. Site 2 of 2 in cluster H Keatual: Relative: SWF/LF: Not reported Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported			SPOSAL AREA (052-MIS) KS CIT	Y DUMPS	
Relative: CITY DUMPS: Higher 1st Qtr: Not reported Actual: 2nd Qtr: Not reported 3rd Qtr: Not reported 4th Qtr: Not reported Section: Not reported Township: Not reported Latitude: 39.2961 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF \$106407693 Rast N/A 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Power Type: City	1/8-1/4	LEAVENWORTH, KS			
Higher 1 st Qtr: Not reported Actual: 2nd Qtr: Not reported 869 ft. 3rd Qtr: Not reported 4th Qtr: Not reported 4th Qtr: Not reported Section: Not reported Township: Not reported Range: Not reported Latitude: 39.2961 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF Steast 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type: City			1		
Actual: 2nd Qtr: Not reported 869 ft. 3rd Qtr: Not reported 4th Qtr: Not reported Section: Not reported Range: Not reported Latitude: 39.2961 Longitude: -94.90215 KS SWF/LF S106407693 East 1850URI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF S106407693 N/A 1/8-1/4 LEAVENWORTH, KS N/A 0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type: City			Not reported		
4th Qtr: Not reported Section: Not reported Township: Not reported Range: Not reported Latitude: 39.2961 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF S106407693 Rast N/A 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type:	-	2nd Qtr:	Not reported		
Section: Not reported Township: Not reported Range: Not reported Latitude: 39.2961 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF \$106407693 East N/A 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type:	869 ft.				
Range: Not reported Latitude: 39.2961 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF S106407693 East N/A 1/8-1/4 LEAVENWORTH, KS 0.242 mi. Site 2 of 2 in cluster H 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type:					
Latitude: 39.2961 Longitude: -94.90215 H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) KS SWF/LF \$106407693 N/A 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type:		•			
H28 MISSOURI RIVER DISPOSAL AREA (052-MIS) East 1/8-1/4 LEAVENWORTH, KS 0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type: City					
East N/A 1/8-1/4 LEAVENWORTH, KS 0.242 mi.		Longitude:	-94.90215		
0.242 mi. 1276 ft. Site 2 of 2 in cluster H Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type: City			SPOSAL AREA (052-MIS) K	S SWF/LF	
Relative: SWF/LF: Higher Facility Status: Closed: post-closure care completed/not required Actual: Permit Number: Not reported 869 ft. Owner Type: City		LEAVENWORTH, KS			
HigherFacility Status:Closed: post-closure care completed/not requiredActual:Permit Number:Not reported869 ft.Owner Type:City	1276 ft.	Site 2 of 2 in cluster	4		
Actual:Permit Number:Not reported869 ft.Owner Type:City					
869 ft. Owner Type: City	-				
		Owner Type:	City		

Database(s)

EDR ID Number **EPA ID Number**

S106407693

MISSOURI RIVER DISPOSAL AREA (052-MIS) (Continued)

Special Facility/Waste Types: Not reported

Not reported City Dump D-dump Not reported Not reported Not reported

129 LEAVENWORTH WWTP

Facility Phone:

Permit Type:

Permit Code:

Solid Waste Key:

Permittee Name:

Past Permit Types: BWM Hydrology Manager:

BER Oversight:

District:

Comments:

Directions:

BWM Permit Manager:

BER Project Manager:

Industrial Waste Types:

Hours of Operation:

NE 1/8-1/4 0.245 m	1800 S 2ND LEAVENWORTH, KS 66048 ii.	KOKA NOIGEI/ NEK	KSD
1296 ft.			
Relative Lower	e: RCRA NonGen / NLR: Date form received by agen	icv: 08/25/1980	
Actual: 765 ft.	Facility name: Facility address:	LEAVENWORTH WWTP 1800 S 2ND LEAVENWORTH, KS 66048	
	EPA ID: Mailing address:	KSD000639542 CITY HALL LEAVENWORTH, KS 66048	
	Contact: Contact address:	ROBERT_TUCKER CITY HALL LEAVENWORTH, KS 66048	
	Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	US 913-682-9201 Not reported 07 Non-Generator Handler: Non-Generators do not presently generate hazardous waste	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country:	LEAVENWORTH CITY OF Not reported Not reported Not reported	

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Municipal

Owner

Not reported

1st & Thornton

City Dump

RCRA NonGen / NLR

1004501245 D000639542

Handler Activities Summary:

Owner/operator telephone: Owner/operator email:

Owner/operator extension:

Owner/operator fax:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Legal status:

U.S. importer of hazardous waste: No

Map ID		MAP FINDINGS		
Direction	L			
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	LEAVENWORTH WWTP (Continu	led)		1004501245
	Mixed waste (haz. and radioa			
	Recycler of hazardous waste: Transporter of hazardous was			
	Treater, storer or disposer of l			
	Underground injection activity			
	On-site burner exemption: Furnace exemption:	No No		
	Used oil fuel burner:	No		
	Used oil processor:	No		
	User oil refiner:	No		
	Used oil fuel marketer to burn Used oil Specification markete			
	Used oil transfer facility:	No		
	Used oil transporter:	No		
	Violation Status:	No violations found		
30	CITY OF LEAVENWORTH-BESEL	ROOFING (052-BEL)	KS CITY DUMPS	S121828505
SSE				N/A
1/4-1/2 0.259 mi.	LEAVENWORTH (County), KS			
0.259 ml. 1368 ft.				
Relative:	CITY DUMPS:			
Higher	1st Qtr: Not reporte	d		
Actual:	2nd Qtr: Not reporte	d		
784 ft.	3rd Qtr: Not reporte			
	4th Qtr: Not reporte Section: Not reporte			
	Township: Not reporte			
	Range: Not reporte			
	Latitude: 39.2916			
	Longitude: -94.90515			
131	CITY OF LEAVENWORTH		KS SWF/LF	S109088807
NE	1803 SOUTH 2ND			N/A
1/4-1/2	LEAVENWORTH, KS 66048			
0.274 mi. 1449 ft.	Site 2 of 4 in cluster I			
Relative:	SWF/LF:			
Lower	Facility Status:	Active		
Actual:	Permit Number:	Not reported		
774 ft.	Owner Type:	City		
	Owner Name: Facility Phone:	City of Leavenworth Not reported		
	Permit Type:	Composting		
	Permit Code:	R-registered		
	Solid Waste Key:	Not reported		
	Permittee Name:	City of Leavenworth		
	BWM Permit Manager:	Not reported		
	Past Permit Types: BWM Hydrology Manager:	Not reported Not reported		
	BER Oversight:	Not reported		
	BER Project Manager:	Not reported		
	Special Facility/Waste Types:			
	Industrial Waste Types:	Not reported		

Database(s)

EDR ID Number EPA ID Number

CITY OF LEAVENWORTH (Continued)

District:	Not reported
Hours of Operation:	Not reported
Comments:	Not reported
Directions:	East of railroad track at end of 2nd street

I32 NE 1/4-1/2 0.278 mi.	MIDLAND FUMIGANTS 1801 S. 2ND STREET LEAVENWORTH, KS	KS SH
1470 ft.	Site 3 of 4 in cluster I	
1/4-1/2 0.278 mi.	LEAVENWORTH, KS	2327 No C405272382 TRANSFERRED Transferred out of the bureau NEDO 39.29957 / -94.903832 Not reported Not reported Not reported Not reported Not reported Not reported Not reported 11-20 feet 0-10 gpm NE <5 acres No Ke <5 acres No Site Assessment BER - Assessment Mot reported Facility Operations Commercial Industrial Not reported Not reported No
	Activity Start Date: Activity End Date: Narrative:	Not reported 06/27/2008 The Midland Fumigants site is located at 1807 S. 2nd Street in
		Leavenworth, Leavenworth County, Kansas. Multiple inspections were

S109088807

S SHWS S109149966 N/A

Database(s)

EDR ID Number EPA ID Number

MIDLAND FUMIGANTS (Continued)

conducted by EPA at Midland between 1999 and 2004. EPA issued a Unilateral Administrative Order (UAO) in April 2005 pursuant to CERCLA and RCRA to compel Midland to complete disposal of the fumigant products stored at the site that were not reusable. The final disposal occurred on December 27, 2007, of 34,827 pounds of aluminum phosphide. A joint EPA RCRA and CERCLA inspection was conducted during packaging of the final shipment in November 2007, that found site conditions to be satisfactory regarding the UAO.

During the PA, three ground water and eight soil samples were obtain ed at the site. Arsenic was identified in S-1 above residential RSK levels but within regional background levels. Phosphorus was identified above three times background in three samples but these did not have associated elevated detections of aluminum. Ground water indicated trace levels of volatile organic compounds (VOCs) both in the up- and down-gradient samples below RSK levels. The Midland site does not appear to be a significant source of contamination to soils or ground

water.

Since removal action activities have been completed, and a significa nt release of hazardous substances, pollutants or contaminants was not identified at the Midland site, a qualifier of ?no further remedial action planned? (NFRAP) appears to be appropriate. The site is recommended to be entered with an ?N? qualifier. Additional RCRA documentation requirements may be present in the UAO that are the responsibility of Midland under the UAO.

Site ID: 2327 Has Env Use Control: No Project code: C405272382 PM Name: TRANSFERRED Site Status: Transferred out of the bureau District Office: NEDO 39.29957 / -94.903832 Lat/Long: **River Basin:** Not reported Aquifer Yield: Not reported Other Aquifers: Not reported Parent PC: Not reported Parent Name: Not reported CERCLIS ID: Not reported **Discovery Date:** Not reported 11-20 feet Depth To GW: Depth To Bedrock: 11-20 feet Aquifer Yield: 0-10 gpm GW Flow Direction: NE Acres Affected: <5 acres Waste Present: No Product Present: No Program: Site Assessment Lead Agency: BER - Assessment and Restoration Heavy Metal, Inorganic, VOC Contaminants: Media Act: Ground Water, Soil Media Pot: Not reported Facility Operations Source: Land Use: Commercial Private well: Industrial Waste Present: Not reported Not reported Product:

S109149966

Database(s)

EDR ID Number EPA ID Number

S109149966

MIDLAND FUMIGANTS (Continued)

Percenter Act:	Humon
Receptor Act: Receptor Pot:	Human Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	•
Eucan Number:	Not reported
Date:	Not reported
	Not reported Preliminary Assessment (PA)
Activity Type:	
Activity Status:	Completed
Activity Start Date:	Not reported 06/27/2008
Activity End Date:	
Narrative:	The Midland Fumigants site is located at 1807 S. 2nd Street in
	Leavenworth, Leavenworth County, Kansas. Multiple inspections were
	conducted by EPA at Midland between 1999 and 2004. EPA issued a
	Unilateral Administrative Order (UAO) in April 2005 pursuant to
	CERCLA and RCRA to compel Midland to complete disposal of the
	fumigant products stored at the site that were not reusable. The
	final disposal occurred on December 27, 2007, of 34,827 pounds of
	aluminum phosphide. A joint EPA RCRA and CERCLA inspection was
	conducted during packaging of the final shipment in November 2007,
	that found site conditions to be satisfactory regarding the UAO.
	During the PA, three ground water and eight soil samples were obtain
	ed at the site. Arsenic was identified in S-1 above residential RSK
	levels but within regional background levels. Phosphorus was
	identified above three times background in three samples but these
	did not have associated elevated detections of aluminum. Ground
	water indicated trace levels of volatile organic compounds (VOCs)
	both in the up- and down-gradient samples below RSK levels. The
	Midland site does not appear to be a significant source of
	contamination to soils or ground
	water.
	Since removal action activities have been completed, and a significa
	nt release of hazardous substances, pollutants or contaminants was
	not identified at the Midland site, a qualifier of ?no further
	remedial action planned? (NFRAP) appears to be appropriate. The site
	is recommended to be entered with an ?N? qualifier. Additional RCRA
	documentation requirements may be present in the UAO that are the
	responsibility of Midland under the UAO.

I33 NE 1/4-1/2 0.278 mi. 1470 ft.	MIDLAND FUMIGANTS INC. 1801 S. 2ND ST LEAVENWORTH, KS 66048 Site 4 of 4 in cluster I	SEMS-ARCHIVE 1009396090 PRP KSN000705346
Relative: Lower Actual: 775 ft.	SEMS Archive: Site ID: EPA ID: Cong District: FIPS Code: FF: NPL: Non NPL Status: SEMS Archive Detail: Region:	0705346 KSN000705346 02 20103 N Not on the NPL NFRAP-Site does not qualify for the NPL based on existing information 07

Database(s)

EDR ID Number EPA ID Number

MIDLAND FUMIGANTS INC. (Continued)

Site ID:

EPA ID:

Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual: Current Action Lead: Region: Site ID: EPA ID: Site Name: NPL: FF: OU: Action Code: Action Name: SEQ: Start Date: Finish Date: Qual:

0705346 KSN000705346 MIDLAND FUMIGANTS INC. Ν Ν 00 VS ARCH SITE 1 Not reported 2012-04-04 04:00:00 Not reported EPA Perf In-Hse 07 0705346 KSN000705346 MIDLAND FUMIGANTS INC. Ν Ν 00 CR CI 2007-12-06 05:00:00 2007-12-27 05:00:00 Not reported EPA Perf 07 0705346 KSN000705346 MIDLAND FUMIGANTS INC. Ν Ν 00 RS **RV ASSESS** 1 2006-12-05 05:00:00 2007-02-06 05:00:00 Not reported EPA Perf 07 0705346 KSN000705346 MIDLAND FUMIGANTS INC. Ν Ν 00 DS DISCVRY 2005-01-01 05:00:00 2005-01-01 05:00:00 Not reported

1009396090

Database(s)

EDR ID Number **EPA ID Number**

MIDLAND FUMIGANTS INC. (Continued)

Current Action Lead: EPA Perf 07 Region: Site ID: 0705346 KSN000705346 EPA ID: MIDLAND FUMIGANTS INC. Site Name: NPL: Ν FF: Ν OU: 00 Action Code: BΒ PRP RV Action Name: SEQ: 1 Start Date: 2007-02-06 05:00:00 Finish Date: 2007-12-27 05:00:00 Qual: С EPA Ovrsght Current Action Lead: 07 Region: 0705346 Site ID: EPA ID: KSN000705346 MIDLAND FUMIGANTS INC. Site Name: NPL: Ν FF: Ν OU: 00 Action Code: ΡA Action Name: PA SEQ: 1 Start Date: Not reported 2008-07-22 05:00:00 Finish Date: Qual: Ν Current Action Lead: St Perf

PRP:

PRP Name:

Range:

MIDLAND FUMIGANTS INC

CITY OF LEAVENWORTH-OLD CITY DUMP (052-LEA) 34

NE 1/4-1/2 LEAVENWORTH, KS 0.313 mi. 1652 ft. **Relative:** CITY DUMPS: Lower 1st Qtr: 2nd Qtr: Actual: 767 ft. 3rd Qtr: 4th Qtr: Section:

NE Not reported Not reported Not reported 01 Township: 09S 22E Latitude: 39.2991 Longitude: -94.90236

KS CITY DUMPS S116405426 N/A

1009396090

Database(s)

EDR ID Number EPA ID Number

35 NW 1/4-1/2 0.359 mi.	LEAVENWORTH SERVICE CENTER 1820 2ND AVE LEAVENWORTH, KS 66048	KS LUST U000872821 KS UST N/A
1896 ft.		
Relative:	LUST:	
Higher	Facility ID:	25611
Actual:	Site Status:	Closed
838 ft.	Release Date:	Not reported
	Initial Report Date:	08/29/1994
	Project Number:	U4-052-01708
	Project Name:	Western Resources
	Legal Desc Section:	36
	Legal Desc Township:	08S
	Legal Desc Range:	22E
	Discover Date: substrels:	08/24/1994 Not reported
	Initial Ranking:	Not reported Not reported
	Current Ranking:	Not reported
	Facility Contact:	Not reported
	Facility Phone Number:	Not reported
	Facility Owner Identification number:	05556
	Facility Owner:	Western Resources
	Owner Contact Person:	Ross Mcdaniel
	Owner Address:	818 Kansas, P.o. Box 889
	Owner City:	Topeka
	Owner State:	KS
	Owner Zip Code: Owner Phone number:	66601 785-575-6300
	Contractor license number:	C0052
	Contractor phone number:	816-625-7255
	Leak duration (if known):	Not reported
	Quantity released (if known):	Not reported
	Quantity recorded:	Not reported
	Leak Type:	Not reported
	Reported By:	Not reported
	Reported by persons phone number:	Not reported
	Reported by person address:	Not reported
	Ground water Impacted (yes/no): Static groundwater level:	clay Not reported
	Groundwater flow direction:	Not reported
	District staff names:	Meredith Roth
	Assessment of release:	One 10,000 gallon gasoline and one 2,000 gallon diesel USTs were
		removed. The USTs were in separate excavations. There was no petroleum
		odor or discoloration. A small amount of backfill sand around the
		diesel fill pipe was discolored. Because it was
	Contaimination assessement:	Not reported
	Extent of contamination impact:	no groundwater encountered.
	Updated information: Invoice initiated:	Not reported 19944
	Invoice initiated.	Not reported
	Invoice completetd:	19944
	Release confirmed:	Not reported
	Emergencty contact:	Not reported
	Enforcement action:	Not reported
	Cost recovery:	Not reported
	Cost recovery initiated:	Not reported
	Cost recovery initiated by:	Not reported

Not reported

Not reported

Not reported

Database(s)

EDR ID Number **EPA ID Number**

LEAVENWORTH SERVICE CENTER (Continued)

Cost recovery completed: Cost recovery completed by: Appplication to trust fund:

UST: Facility ID: 25611 Facility 911 Address: 1820 2ND Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip: 66048 1994-08-15 00:00:00 Date Removed: Capacity (Gals): 10000 Tank Internal Protection: Other 913-682-4924 24 Hour Phone Num: Tank External Protection: Cat Prot Piping: Galv Steel, Cat Prot **GARMIN 3 PLUS** Facility Location Method: Facility Feature: Facility Center Facility Phone: 913-682-4924 Tank Empty: Not reported F K Shumaker Contact Name: Contact Title: **Division Superintend** Owner ID: 05556 Owner Type: Private Or Corp. **Owner Name: Owner Address:** P.O. BOX 889 TOPEKA Owner Citv: **Owner State:** KS Owner Zip: 66612 SHAWNEE Owner County: Owner Phone: 785-575-8273 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 001 Tank Status: Permanently Out Of Use Installation Year: 1976 Last Permit Printed: Not reported Current Permit Printed: Not reported WGS84 Facility Datum: Out of service Mo/Yr: 081994 Material of Construction: Steel Petroleum Substance: Gas (Incl Alcohol) **Owner Replacement Name:** JARED MORRISON NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Fire, Chronic, Acute Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 Latitude: 39.29915 Longitude: -94.91410 Facility ID: 25611 Facility 911 Address: 1820 2ND Facility 911 City: LEAVENWORTH Facility 911 State: KS Facility 911 Zip:

Date Removed: Capacity (Gals): WESTAR ENERGY %JARED MORRISON 66048 1994-08-15 00:00:00

2000

U000872821

Database(s)

EDR ID Number EPA ID Number

U000872821

LEAVENWORTH SERVICE CENTER (Continued)

Tank Internal Protection: Unknown 913-682-4924 24 Hour Phone Num: Tank External Protection: Unknown Unknown Piping: Facility Location Method: **GARMIN 3 PLUS** Facility Feature: **Facility Center** Facility Phone: 913-682-4924 Not reported Tank Empty: Contact Name: F K Shumaker Contact Title: **Division Superintend** Owner ID: 05556 Owner Type: Private Or Corp. Owner Name: WESTAR ENERGY %JARED MORRISON Owner Address: P.O. BOX 889 Owner City: TOPEKA Owner State: KS Owner Zip: 66612 Owner County: SHAWNEE Owner Phone: 785-575-8273 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 002 Tank Status: Permanently Out Of Use Installation Year: 1966 Last Permit Printed: Not reported Current Permit Printed: Not reported WGS84 Facility Datum: Out of service Mo/Yr: 081994 Material of Construction: Steel Petroleum Substance: Diesel Owner Replacement Name: JARED MORRISON NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Hazards: Not reported Principal CERCLA Substance/Chem Abstract Service Num: Not reported Latitude: 39.29915 Longitude: -94.91410

CITY OF LEAVENWORTH 2ND & LIMIT DUMP (052-2ND-LIM)

KS CITY DUMPS S121828503 N/A

1/4-1/2 LEAVENWORTH (County), KS

0.441 mi. 2328 ft.

36 SSE

CITY DUMPS:

Relative: Higher	CITY DUMPS: 1st Qtr:	Not reported
Actual:	2nd Qtr:	Not reported
795 ft.	3rd Qtr:	Not reported
	4th Qtr:	Not reported
	Section:	Not reported
	Township:	Not reported
	Range:	Not reported
	Latitude:	39.2889
	Longitude:	-94.90506

Database(s)

EDR ID Number EPA ID Number

J37 South 1/4-1/2 0 444 mi	LEAVENWORTH COUNTY EMERGENCY I 4TH & LIMIT STREETS LEAVENWORTH, KS 66048	Μ	KS LUST KS UST	U000873730 N/A
2346 ft.	Site 1 of 2 in cluster J			
0.444 mi. 2346 ft. Relative: Higher Actual: 823 ft.		27533 Closed Not reported 03/07/1997 U4-052-11434 Leavenworth Co, Emerg Medical 01 09S 22E Not reported Not reported Not reported Not reported Not reported Not reported 04477 Leavenworth County Joe Daniels Lv Co Courthouse 4th & Walnut Leavenworth KS 66048 Not reported Co112 Not reported Not repo	ated soil is b	elow
	Cost recovery completed: Cost recovery completed by:	Not reported Not reported		

Not reported

Database(s)

EDR ID Number EPA ID Number

LEAVENWORTH COUNTY EMERGENCY M (Continued)

Appplication to trust fund:

UST: Facility ID: 27533 Facility 911 Address: 4TH & LIMIT LEAVENWORTH Facility 911 City: Facility 911 State: KS Facility 911 Zip: 66048 Date Removed: 1997-03-15 00:00:00 Capacity (Gals): 8000 Tank Internal Protection: None 24 Hour Phone Num: 913-682-6604 Tank External Protection: Cat Prot, Painted Piping: Galv Steel Facility Location Method: **GARMIN 3 PLUS** Facility Feature: Facility Center Facility Phone: 913-682-6604 Tank Empty: Not reported Contact Name: Dan Stateson Contact Title: **Ems Director** 04477 Owner ID: Owner Type: State Or Local Govt. Owner Name: LEAVENWORTH COUNTY - COURTHOUS Owner Address: 300 WALNUT LEAVENWORTH Owner City: **Owner State:** KS 66048 Owner Zip: **Owner County:** LEAVENWORTH **Owner Phone:** 913-684-0467 QTY Remaining in Tank: Not reported Facility District: NE Tank ID: 001 Permanently Out Of Use Tank Status: Installation Year: 1986 1996-06-17 00:00:00 Last Permit Printed: Not reported Current Permit Printed: Facility Datum: WGS84 Out of service Mo/Yr: 031997 Material of Construction: Steel Gas (Incl Alcohol) Petroleum Substance: **Owner Replacement Name:** CHRIS COLLINS NonPetroleum Substance: Not reported **Owner Replacement Title:** Not reported Fire, Chronic, Acute Hazards: Principal CERCLA Substance/Chem Abstract Service Num: 8006-61-9 39.28886 Latitude: Longitude: -94.90645

U000873730

Database(s)

EDR ID Number EPA ID Number

J38 South 1/4-1/2 0.488 mi. 2579 ft.	DAYLIGHT DONUTS 2906 S. 4TH ST. LEAVENWORTH, KS 66048 Site 2 of 2 in cluster J	KS LUST S1065314 N/A	71
Relative:	LUST:		
Higher	Facility ID:	82436	
Actual:	Site Status:	Closed	
830 ft.	Release Date:	Not reported	
	Initial Report Date:	09/16/2002	
	Project Number:	U4-052-13292	
	Project Name:	Daylight Donuts	
	Legal Desc Section: Legal Desc Township:	12 09S	
	Legal Desc Ronge:	22E	
	Discover Date:	09/04/2002	
	substrels:	Gasoline	
	Initial Ranking:	31	
	Current Ranking:	31.00000	
	Facility Contact:	Not reported	
	Facility Phone Number:	Not reported	
	Facility Owner Identification number:	82436	
	Facility Owner:	Rottinghouse Real Estate	
	Owner Contact Person: Owner Address:	Cory Skinner	
	Owner City:	Not reported Not reported	
	Owner State:	Not reported	
	Owner Zip Code:	Not reported	
	Owner Phone number:	816-809-1257	
	Contractor license number:	Not reported	
	Contractor phone number:	913-321-8100	
	Leak duration (if known):	Not reported	
	Quantity released (if known):	Not reported	
	Quantity recorded:	Not reported	
	Leak Type:	Other	
	Reported By: Reported by persons phone number:	Dennis Wike	
	Reported by person address:	Not reported Not reported	
	Ground water Impacted (yes/no):	Brown, tight, plastic clay.	
	Static groundwater level:	10	
	Groundwater flow direction:	NE	
	District staff names:	Danial Wells	
	Assessment of release:	No specific leakage incident has been reported to KDHE.	
	Contaimination assessement:	A Lust site is present immediately south of this property. It appears	
	-	some contamination has migrated onto this property.	
	Extent of contamination impact:	The extent of groundwater contamination, if present, has not been determined on this site.	
	Updated information:	Soil samples were collected as part of a geotechnical investigation	
	opualed mormation.	conducted by Maxim in response to new development of this property.	
		Two tanks were removed from this site in 1985 by Diversified Builders.	
		It is unknown when the tanks were last used b	
	Invoice initiated:	20024	
	Invoice on going:	Not reported	
	Invoice completetd:	20024	
	Release confirmed:	20024	
	Emergencty contact:	Not reported	
	Enforcement action:	Not reported	
	Cost recovery:	Not reported	

Database(s)

EDR ID Number EPA ID Number

S106531471

DAYLIGHT DONUTS (Continued)

Cost recovery initiated: Cost recovery initiated by: Cost recovery completed: Cost recovery completed by: Appplication to trust fund: 20031 State W. Fed. Trust Fund 20032 State W. Fed. Trust Fund Not reported

K39 BLOCK PROPERTY #2 SSE

LEAVENWORTH, KS

0.816 mi. 4311 ft. Site 1 of 2 in cluster K

Relative: Higher

1/2-1

Actual: 822 ft.

):	SHWS:	
	Site ID:	2117
	Has Env Use Control:	No
	Project code:	C405272175
	PM Name:	BER - A&R
	Site Status:	Resolved
	District Office:	NEDO
	Lat/Long:	39.28385 / -94.90219
	River Basin:	Not reported
	Aquifer Yield:	Not reported
	Other Aquifers:	Not reported
	Parent PC:	Not reported
	Parent Name:	Not reported
	CERCLIS ID:	Not reported
	Discovery Date:	Not reported
	Depth To GW:	21-30 feet
	Depth To Bedrock:	21-30 feet
	Aquifer Yield:	0-10 gpm
	GW Flow Direction:	NE
	Acres Affected:	<5 acres
	Waste Present:	No
	Product Present:	No
	Program:	Site Assessment
	Lead Agency:	BER - Assessment and Restoration
	Contaminants:	Not reported
	Media Act:	Not reported
	Media Pot:	Not reported
	Source:	Not reported
	Land Use:	Not reported
	Private well:	Not reported
	Waste Present:	Not reported
	Product:	Not reported
	Receptor Act:	Not reported
	Receptor Pot:	Not reported
	Remed Air:	Not reported
	Remed Soil:	Not reported
	Remed Water:	Not reported
	Remedir:	Not reported
	Alias:	Not reported
	Eucan Number:	Not reported
	Date:	Not reported
	Activity Type:	Initial Site Screening
	Activity Status:	Completed
	Activity Start Date:	Not reported
	Activity End Date:	06/26/2006
	Narrative:	The Block Property #2 site is located in Leavenworth adjacent to the

KS SHWS S108047946 N/A

EDR ID Number Database(s) EPA ID Number

BLOCK PROPERTY #2 (Continued)

Sonny Hill car dealership. In 1989 KDHE sent a letter to the property owner, David Block, instructing him to address visible contamination at the site. The contamination appeared to be emanating from an old storm sewer or septic tank outfall into a nearby drainage ditch. Oil and petroleum wastes were being released from the storm/septic sewer pipe. At the time of the letter, the property was being leased by Sonny Hill Autos as a car lot and repair facility.

Upon a more detailed file review, this site area is presently includ ed within the Sonny Hill Jeep/Eagle Voluntary Cleanup and Property Redevelopment Program (VCPRP) site. A phased Voluntary Cleanup Investigation (VCI) is underway at the site which includes addressing the surface water discharge.

Since this site is part of an existing active VCPRP site, it appears no further site assessment is necessary under the Comprehensive Environmental Response, Compensation and Liabilities Act (CERCLA). This site does not appear in the active or archived list of CERCLA sites.

	Sites.
Site ID:	2117
Has Env Use Control:	No
Project code:	C405272175
PM Name:	BER - A&R
Site Status:	Resolved
District Office:	NEDO
Lat/Long:	39.28385 / -94.90219
River Basin:	Not reported
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	Not reported
Depth To GW:	21-30 feet
Depth To Bedrock:	21-30 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Site Assessment
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Not reported
Media Act:	Not reported
Media Pot:	Not reported
Source:	Not reported
Land Use:	Not reported
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported

S108047946

Database(s)

EDR ID Number EPA ID Number

S108047946

BLOCK PROPERTY #2 (Continued)

Not reported Not reported Initial Site Screening Completed Not reported 06/26/2006 The Block Property #2 site is located in Leavenworth adjacent to the Sonny Hill car dealership. In 1989 KDHE sent a letter to the property owner, David Block, instructing him to address visible contamination at the site. The contamination appeared to be emanating from an old storm sewer or septic tank outfall into a nearby drainage ditch. Oil and petroleum wastes were being released from the storm/septic sewer pipe. At the time of the letter, the property was being leased by Sonny Hill Autos as a car lot and repair facility. Upon a more detailed file review, this site area is presently includ ed within the Sonny Hill Jeep/Eagle Voluntary Cleanup and Property Redevelopment Program (VCPRP) site. A phased Voluntary Cleanup Investigation (VCI) is underway at the site which includes addressing the surface water discharge.

K40SONNY HILL JEEP EAGLE - LEAVENWORTHSSE3501 S 4TH1/2-1LEAVENWORTH, KS 660480.817 mi.312 ft.Site 2 of 2 in cluster K

Relative: Higher Actual:

829 ft.

SHWS:	
Site ID:	1075
Has Env Use Control:	No
Project code:	C405270229
PM Name:	ROSS, D.
Site Status:	Active
District Office:	NEDO
Lat/Long:	39.28385 / -94.90219
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	Not reported
Depth To GW:	0-10 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Voluntary Cleanup
Lead Agency:	BER - Redevelopment
Contaminants:	Refined Petroleum, VOC
Media Act:	Ground Water, Soil, Surface Water

KS SHWS	1004347478
KS VCP	N/A

Database(s)

EDR ID Number EPA ID Number

1004347478

SONNY HILL JEEP EAGLE - LEAVENWORTH (Continued)

Media Pot: Source: Land Use: Private well: Waste Present: Product: Receptor Act: Receptor Pot: Remed Air: Remed Soil: Remed Water: Remedir: Alias: Eucan Number: Date: Activity Type:

Activity Status:

Narrative:

Activity Start Date:

Activity End Date:

Not reported Septic Tank, Other (see Site Narrative) Commercial, Industrial Not reported BMD PROPERTY; SONNY HILL MOTORS - LEAVENWORTH Not reported Not reported Voluntary Cleanup Proposal Proposed 05/24/2006 Not reported Mr. Bob Mitchell, the Managing Partner with JDM Properties, LLC, submitted an application to the VCPRP on April 3, 2002. The future use of the property will be equipment rental. At the time of VCPRP application, the property was vacant.

The contamination on the site was discovered during a site investiga tion conducted in 1990. Petroleum hydrocarbons and chlorinated volatile organic compounds (VOC?s) were found in soils and groundwater. Additionally, there is a storm drain inlet point near the northeast corner of the site which ultimately discharges into a nearby creek. Oil was found in the creek which resulted in the installation of a low flow oil/water separator and a multiple baffled weir in the sewer inlet and outlet. The contamination source was an improperly used septic tank which has been removed from the property.

Property was accepted into VCPRP on 05/08/02. Additional subsurface investigation was conducted in September 2002 for delineation of contamination in groundwater and soil. Report of investigation results received by KDHE 11/19/02. Requests were made by KDHE for additional delineation efforts in January and May of 2003. In June of 2003, the voluntary party sent documentation to KDHE requesting an extension for the work requested by KDHE due to financial hardship. In October of 2003, KDHE contacted the Voluntary Party for a status on the

property.

The demonstration of financial hardship is pending. The results that were received in Feb. 2006 for the latest groundwater sampling indicated that contaminants are decreasing and are not leaving the property. The site is ready to enter into the cleanup phase. Delineation of groundwater and soil contamination has been achieved

and KDHE has requested a VC Proposal.

A new voluntary agreement was executed 4/4/2012. Additional groundw ater sampling conducted. Latest groundwater monitoring report approved December

2013.

1075

The Voluntary Party has requested to terminate the Voluntary Agreeme nt. Terminated agreement on 09/10/2015.

Alias:

Date:

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

SONNY HILL JEEP EAGLE - LEAVENWORTH (Continued)

Has Env Use Control: No Project code: C405270229 PM Name: ROSS, D. Site Status: Active District Office: NEDO 39.28385 / -94.90219 Lat/Long: **River Basin:** Missouri Aquifer Yield: Not reported Other Aquifers: Not reported Parent PC: Not reported Parent Name: Not reported CERCLIS ID: Not reported **Discovery Date:** Not reported Depth To GW: 0-10 feet Depth To Bedrock: 11-20 feet Aquifer Yield: 0-10 gpm GW Flow Direction: NE Acres Affected: <5 acres Waste Present: No Product Present: No Voluntary Cleanup Program: Lead Agency: **BER - Redevelopment** Refined Petroleum, VOC Contaminants: Media Act: Ground Water, Soil, Surface Water Media Pot: Not reported Septic Tank, Other (see Site Narrative) Source: Land Use: Commercial, Industrial Private well: Not reported Waste Present: Not reported Not reported Product: Receptor Act: Not reported Receptor Pot: Not reported Remed Air: Not reported Remed Soil: Not reported Remed Water: Not reported Not reported Remedir: BMD PROPERTY; SONNY HILL MOTORS - LEAVENWORTH Eucan Number: Not reported Not reported Activity Type: Voluntary Cleanup Proposal Activity Status: Proposed Activity Start Date: 05/24/2006 Activity End Date: Not reported Mr. Bob Mitchell, the Managing Partner with JDM Properties, LLC, Narrative: submitted an application to the VCPRP on April 3, 2002. The future use of the property will be equipment rental. At the time of VCPRP application, the property was vacant. The contamination on the site was discovered during a site investiga tion conducted in 1990. Petroleum hydrocarbons and chlorinated volatile organic compounds (VOC?s) were found in soils and groundwater. Additionally, there is a storm drain inlet point near the northeast corner of the site which ultimately discharges into a nearby creek. Oil was found in the creek which resulted in the installation of a low flow oil/water separator and a multiple baffled weir in the sewer inlet and outlet. The contamination source was an improperly used septic tank which has been removed from the property.

Property was accepted into VCPRP on 05/08/02. Additional subsurface

1004347478

EDR ID Number Database(s)

EPA ID Number

investigation was conducted in September 2002 for delineation of contamination in groundwater and soil. Report of investigation results received by KDHE 11/19/02. Requests were made by KDHE for additional delineation efforts in January and May of 2003. In June of 2003, the voluntary party sent documentation to KDHE requesting an extension for the work requested by KDHE due to financial hardship. In October of 2003, KDHE contacted the Voluntary Party for a status on the

property.

The demonstration of financial hardship is pending. The results that were received in Feb. 2006 for the latest groundwater sampling indicated that contaminants are decreasing and are not leaving the property. The site is ready to enter into the cleanup phase. Delineation of groundwater and soil contamination has been achieved and KDHE has requested a VC Proposal.

A new voluntary agreement was executed 4/4/2012. Additional groundw ater sampling conducted. Latest groundwater monitoring report approved December 2013.

The Voluntary Party has requested to terminate the Voluntary Agreeme nt. Terminated agreement on 09/10/2015.

Site ID: 1075 Has Env Use Control: No Project code: C405270229 PM Name: ROSS, D. Site Status: Active District Office: NEDO 39.28385 / -94.90219 Lat/Long: **River Basin:** Missouri Aquifer Yield: Not reported Other Aquifers: Not reported Parent PC: Not reported Parent Name: Not reported CERCLIS ID: Not reported **Discovery Date:** Not reported Depth To GW: 0-10 feet Depth To Bedrock: 11-20 feet Aquifer Yield: 0-10 gpm GW Flow Direction: NE Acres Affected: <5 acres Waste Present: No Product Present: No Voluntary Cleanup Program: Lead Agency: **BER - Redevelopment** Contaminants: Refined Petroleum, VOC Media Act: Ground Water, Soil, Surface Water Media Pot: Not reported Septic Tank, Other (see Site Narrative) Source: Land Use: Commercial, Industrial Private well: Not reported Waste Present: Not reported Not reported Product: Receptor Act: Not reported Receptor Pot: Not reported Remed Air: Not reported

1004347478

Database(s)

EDR ID Number EPA ID Number

SONNY HILL JEEP EAGLE - LEAVENWORTH (Continued)

1004347478

SOR	NNY HILL JEEP EAGLE	- LEAVENWORTH (Continued)
	Remed Soil:	Not reported
	Remed Water:	Not reported
	Remedir:	Not reported
	Alias:	BMD PROPERTY; SONNY HILL MOTORS - LEAVENWORTH
	Eucan Number:	Not reported
	Date:	Not reported
	Activity Type:	Voluntary Cleanup Proposal
	Activity Status:	Proposed
	Activity Start Date:	05/24/2006
	Activity End Date:	Not reported
	Narrative:	Mr. Bob Mitchell, the Managing Partner with JDM Properties, LLC, submitted an application to the VCPRP on April 3, 2002. The future use of the property will be equipment rental. At the time of VCPRP application, the property was vacant. The contamination on the site was discovered during a site investiga tion conducted in 1990. Petroleum hydrocarbons and chlorinated volatile organic compounds (VOC?s) were found in soils and
		groundwater. Additionally, there is a storm drain inlet point near
		the northeast corner of the site which ultimately discharges into a
		nearby creek. Oil was found in the creek which resulted in the
		installation of a low flow oil/water separator and a multiple baffled
		weir in the sewer inlet and outlet. The contamination source was an
		improperly used septic tank which has been removed from the property. Property was accepted into VCPRP on 05/08/02. Additional subsurface
		investigation was conducted in September 2002 for delineation of
		contamination in groundwater and soil. Report of investigation
		results received by KDHE 11/19/02. Requests were made by KDHE for
		additional delineation efforts in January and May of 2003. In June
		of 2003, the voluntary party sent documentation to KDHE requesting an
		extension for the work requested by KDHE due to financial hardship. In October of 2003, KDHE contacted the Voluntary Party for a status on the
		property.
		The demonstration of financial hardship is pending. The results that
		were received in Feb. 2006 for the latest groundwater sampling
		indicated that contaminants are decreasing and are not leaving the
		property. The site is ready to enter into the cleanup phase.
		Delineation of groundwater and soil contamination has been achieved and KDHE has requested a VC
		Proposal.
		A new voluntary agreement was executed 4/4/2012. Additional groundw
		ater sampling conducted. Latest groundwater monitoring report
		approved December
		2013. The Voluntary Party has requested to terminate the Voluntary Agreeme
		nt. Terminated agreement on 09/10/2015.
	Site ID:	1075
	Has Env Use Control:	No
	Project code:	C405270229
	PM Name:	ROSS, D.
	Site Status:	Active
	District Office:	NEDO
	Lat/Long:	39.28385 / -94.90219
	River Basin:	Missouri
	Aquifer Yield:	Not reported
	Other Aquifers:	Not reported

Database(s)

EDR ID Number EPA ID Number

SONNY HILL JEEP EAGLE - LEAVENWORTH (Continued)

Parent PC: Not reported Parent Name: CERCLIS ID: **Discovery Date:** Depth To GW: Depth To Bedrock: Aquifer Yield: GW Flow Direction: NE Acres Affected: Waste Present: No Product Present: No Program: Lead Agency: Contaminants: Media Act: Media Pot: Source: Land Use: Private well: Waste Present: Product: Receptor Act: Receptor Pot: Remed Air: Remed Soil: Remed Water: Remedir: Alias: Eucan Number: Date: Activity Type: Activity Status: Activity Start Date: Activity End Date: Narrative:

Not reported Not reported Not reported 0-10 feet 11-20 feet 0-10 gpm <5 acres Voluntary Cleanup **BER - Redevelopment** Refined Petroleum, VOC Ground Water, Soil, Surface Water Not reported Septic Tank, Other (see Site Narrative) Commercial, Industrial Not reported BMD PROPERTY; SONNY HILL MOTORS - LEAVENWORTH Not reported Not reported Voluntary Cleanup Proposal Proposed 05/24/2006 Not reported Mr. Bob Mitchell, the Managing Partner with JDM Properties, LLC, submitted an application to the VCPRP on April 3, 2002. The future use of the property will be equipment rental. At the time of VCPRP application, the property was vacant. The contamination on the site was discovered during a site investiga tion conducted in 1990. Petroleum hydrocarbons and chlorinated volatile organic compounds (VOC?s) were found in soils and groundwater. Additionally, there is a storm drain inlet point near the northeast corner of the site which ultimately discharges into a nearby creek. Oil was found in the creek which resulted in the installation of a low flow oil/water separator and a multiple baffled weir in the sewer inlet and outlet. The contamination source was an improperly used septic tank which has been removed from the property.

Property was accepted into VCPRP on 05/08/02. Additional subsurface investigation was conducted in September 2002 for delineation of contamination in groundwater and soil. Report of investigation results received by KDHE 11/19/02. Requests were made by KDHE for additional delineation efforts in January and May of 2003. In June of 2003, the voluntary party sent documentation to KDHE requesting an extension for the work requested by KDHE due to financial hardship. In October of 2003, KDHE contacted the Voluntary Party for a status on the

property.

Site ID:

Source:

Product:

Alias:

Date: Activity Type:

Eucan Number:

Activity Status:

Activity Start Date:

Not reported Not reported

Proposed

05/24/2006

Voluntary Cleanup Proposal

MAP FINDINGS

EDR ID Number Database(s) **EPA ID Number**

SONNY HILL JEEP EAGLE - LEAVENWORTH (Continued)

The demonstration of financial hardship is pending. The results that were received in Feb. 2006 for the latest groundwater sampling indicated that contaminants are decreasing and are not leaving the property. The site is ready to enter into the cleanup phase. Delineation of groundwater and soil contamination has been achieved and KDHE has requested a VC Proposal. A new voluntary agreement was executed 4/4/2012. Additional groundw ater sampling conducted. Latest groundwater monitoring report approved December 2013. The Voluntary Party has requested to terminate the Voluntary Agreeme nt. Terminated agreement on 09/10/2015. 1075 Has Env Use Control: No C405270229 Project code: PM Name: ROSS, D. Site Status: Active NEDO District Office: 39.28385 / -94.90219 Lat/Long: River Basin: Missouri Aquifer Yield: Not reported Other Aquifers: Not reported Parent PC: Not reported Not reported Parent Name: CERCLIS ID: Not reported **Discovery Date:** Not reported Depth To GW: 0-10 feet Depth To Bedrock: 11-20 feet Aquifer Yield: 0-10 gpm GW Flow Direction: NE Acres Affected: <5 acres Waste Present: No Product Present: No Program: Voluntary Cleanup BER - Redevelopment Lead Agency: Contaminants: Refined Petroleum, VOC Ground Water, Soil, Surface Water Media Act: Media Pot: Not reported Septic Tank, Other (see Site Narrative) Commercial, Industrial Land Use: Private well: Not reported Not reported Waste Present: Not reported Receptor Act: Not reported Receptor Pot: Not reported Remed Air: Not reported Remed Soil: Not reported Remed Water: Not reported Remedir: Not reported BMD PROPERTY; SONNY HILL MOTORS - LEAVENWORTH

1004347478

Database(s)

EDR ID Number EPA ID Number

SONNY HILL JEEP EAGLE - LEAVENWORTH (Continued)

Activity End Date:

Narrative:

1004347478

Not reported Mr. Bob Mitchell, the Managing Partner with JDM Properties, LLC, submitted an application to the VCPRP on April 3, 2002. The future use of the property will be equipment rental. At the time of VCPRP application, the property was vacant.

The contamination on the site was discovered during a site investiga tion conducted in 1990. Petroleum hydrocarbons and chlorinated volatile organic compounds (VOC?s) were found in soils and groundwater. Additionally, there is a storm drain inlet point near the northeast corner of the site which ultimately discharges into a nearby creek. Oil was found in the creek which resulted in the installation of a low flow oil/water separator and a multiple baffled weir in the sewer inlet and outlet. The contamination source was an improperly used septic tank which has been removed from the property.

Property was accepted into VCPRP on 05/08/02. Additional subsurface investigation was conducted in September 2002 for delineation of contamination in groundwater and soil. Report of investigation results received by KDHE 11/19/02. Requests were made by KDHE for additional delineation efforts in January and May of 2003. In June of 2003, the voluntary party sent documentation to KDHE requesting an extension for the work requested by KDHE due to financial hardship. In October of 2003, KDHE contacted the Voluntary Party for a status on the

property.

The demonstration of financial hardship is pending. The results that were received in Feb. 2006 for the latest groundwater sampling indicated that contaminants are decreasing and are not leaving the property. The site is ready to enter into the cleanup phase.

Delineation of groundwater and soil contamination has been achieved and KDHE has requested a VC

Proposal.

A new voluntary agreement was executed 4/4/2012. Additional groundw ater sampling conducted. Latest groundwater monitoring report approved December 2013.

2013.

The Voluntary Party has requested to terminate the Voluntary Agreeme nt. Terminated agreement on 09/10/2015.

VCP:

Site ID: Project code: PM Name: Site Status: Lat/Long: Program:

1075 C405270229 ROSS, D. **Active** 39.28385 / -94.90219 Voluntary Cleanup Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LEAVENWORTH	1003876286	MISSOURI RIVER BRUSH & RUBBLE DSPL	1ST & THORNTON	66048	SEMS-ARCHIVE

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 07/02/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 07/02/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 07/02/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019 Date Data Arrived at EDR: 04/05/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 07/03/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 07/02/2019 Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 07/02/2019 Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019Source: Environmental Protection AgencyDate Data Arrived at EDR: 03/27/2019Telephone: 913-551-7003Date Made Active in Reports: 04/17/2019Last EDR Contact: 06/26/2019Number of Days to Update: 21Next Scheduled EDR Contact: 10/07/2019Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/22/2019Source: Department of the NavyDate Data Arrived at EDR: 03/07/2019Telephone: 843-820-7326Date Made Active in Reports: 04/17/2019Last EDR Contact: 05/10/2019Number of Days to Update: 41Next Scheduled EDR Contact: 08/26/2019Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 05/29/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 05/29/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 36 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

KS SHWS: Identified Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/08/2019	Source: Department of Health and Environment
Date Data Arrived at EDR: 04/11/2019	Telephone: 785-296-1660
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 07/03/2019
Number of Days to Update: 25	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

MO HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includeds the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 02/28/2019	Telephone: 573-751-3176
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 05/31/2019
Number of Days to Update: 75	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Annually

MO SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/02/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/11/2018	Telephone: 573-751-1990
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 06/10/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

KS SWF/LF: Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector in Kansas Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/01/2019	Source: Department of Health and Environment
Date Data Arrived at EDR: 04/03/2019	Telephone: 785-296-1590
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 07/12/2019
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: Annually

MO SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/2018 Date Data Arrived at EDR: 07/03/2018 Date Made Active in Reports: 08/06/2018 Number of Days to Update: 34 Source: Department of Natural Resources Telephone: 573-751-5401 Last EDR Contact: 05/13/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Varies

KS CITY DUMPS: City Dump Listing

The City Dump Cleanup Program provides funds to cities or counties for the repair of old, unused municipal dump sites. These sites primarily operated between the 1940s and the 1970s before many counties had landfills and prior to the current regulations for solid waste disposal.

Date of Government Version: 02/26/2019	Source: Department of Health & Environment
Date Data Arrived at EDR: 02/27/2019	Telephone: 785-296-6377
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 05/29/2019
Number of Days to Update: 68	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

State and tribal leaking storage tank lists

KS LUST: Leaking Underground Storage Tank Data Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/01/2019 Date Data Arrived at EDR: 04/03/2019 Date Made Active in Reports: 05/06/2019 Number of Days to Update: 33 Source: Department of Health and Environment Telephone: 785-296-1685 Last EDR Contact: 07/19/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

KS LAST: Leaking Aboveground Storage Tanks Leaking aboveground storage tank site locations.

Date of Government Version: 04/01/2019	Source: Department of Health & Environment
Date Data Arrived at EDR: 04/03/2019	Telephone: 785-296-1685
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 07/19/2019
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Quarterly

MO LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/07/2019 Date Data Arrived at EDR: 03/13/2019 Date Made Active in Reports: 05/13/2019 Number of Days to Update: 61 Source: Department of Natural Resources Telephone: 573-751-0135 Last EDR Contact: 06/12/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Quarterly

MO LAST: Leaking Aboveground Storage Tanks A listing of leaking aboveground storage tanks.

> Date of Government Version: 03/07/2019 Date Data Arrived at EDR: 03/13/2019 Date Made Active in Reports: 05/13/2019 Number of Days to Update: 61

Source: Department of Natural Resources Telephone: 573-751-6822 Last EDR Contact: 06/12/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Ta Leaking underground storage tanks located on	anks on Indian Land Indian Land in Michigan, Minnesota and Wisconsin.	
Date of Government Version: 10/12/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	
INDIAN LUST R1: Leaking Underground Storage Ta A listing of leaking underground storage tank lo		
Date of Government Version: 10/13/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	
INDIAN LUST R4: Leaking Underground Storage Ta LUSTs on Indian land in Florida, Mississippi an		
Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 50	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	
INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.		
Date of Government Version: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	
INDIAN LUST R7: Leaking Underground Storage Ta LUSTs on Indian land in Iowa, Kansas, and Ne		
Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	
INDIAN LUST R8: Leaking Underground Storage Ta LUSTs on Indian land in Colorado, Montana, N	anks on Indian Land Iorth Dakota, South Dakota, Utah and Wyoming.	
Date of Government Version: 10/16/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	
INDIAN LUST R10: Leaking Underground Storage T LUSTs on Indian land in Alaska, Idaho, Oregor		
Date of Government Version: 10/17/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies	

INDIAN LUST R9: Leaking Underground Storage T LUSTs on Indian land in Arizona, California, N	
Date of Government Version: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 54	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies
State and tribal registered storage tank lists	
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stor	age tanks.
Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 136	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 07/10/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Varies
	"s are regulated under Subtitle I of the Resource Conservation and Recovery tate department responsible for administering the UST program. Available
Date of Government Version: 04/01/2019 Date Data Arrived at EDR: 04/03/2019 Date Made Active in Reports: 05/03/2019 Number of Days to Update: 30	Source: Department of Health and Environment Telephone: 785-296-1685 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly
	's are regulated under Subtitle I of the Resource Conservation and Recovery tate department responsible for administering the UST program. Available
Date of Government Version: 03/07/2019 Date Data Arrived at EDR: 03/13/2019 Date Made Active in Reports: 05/13/2019 Number of Days to Update: 61	Source: Department of Natural Resources Telephone: 573-751-0135 Last EDR Contact: 06/12/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Quarterly
KS AST: Aboveground Storage Tank Data Registered Aboveground Storage Tanks.	
Date of Government Version: 04/01/2019 Date Data Arrived at EDR: 04/03/2019 Date Made Active in Reports: 05/03/2019 Number of Days to Update: 30	Source: Department of Health and Environment Telephone: 785-296-1685 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly
MO AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.	
Date of Government Version: 11/30/2018 Date Data Arrived at EDR: 12/04/2018 Date Made Active in Reports: 01/16/2019 Number of Days to Update: 43	Source: Department of Agriculture Telephone: 573-751-7062 Last EDR Contact: 06/03/2019 Next Scheduled EDR Contact: 09/16/2019 Data Poloace Frequency: Somi Appually

Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018	
Date Data Arrived at EDR: 03/07/2019	
Date Made Active in Reports: 05/01/2019	
Number of Days to Update: 55	

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 03/08/2019	Telephone: 415-972-3368
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/07/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55 Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-7591
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-6136
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 50 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

KS INST CONTROL: Institutional Controls Information

Sites that have institutional control information entered into the Identified Sites List database.

Date of Government Version: 04/08/2019	Source: Department of Health & Environment
Date Data Arrived at EDR: 04/10/2019	Telephone: 785-296-8049
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 07/03/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

KS VCP: Identified Sites List

Sites included in the Identified Sites List that are identified as Voluntary Cleanup sites.

Date of Government Version: 04/08/2019	Source: Department of Health & Environment
Date Data Arrived at EDR: 04/11/2019	Telephone: 785-296-8049
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 07/03/2019
Number of Days to Update: 25	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016 Number of Days to Update: 142 Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/20/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

MO VCP: Sites Participating in the Voluntary Cleanup Program Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 05/14/2019 Date Made Active in Reports: 07/18/2019 Number of Days to Update: 65 Source: Department of Natural Resources Telephone: 573-526-8913 Last EDR Contact: 05/14/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Quarterly

State and tribal Brownfields sites

KS BROWNFIELDS: Identified Sites List

Sites included in the Identified Sites List that are identified as Brownfields sites.

Date of Government Version: 04/08/2019	Source: Department of Health & Environment
Date Data Arrived at EDR: 04/11/2019	Telephone: 785-296-8049
Date Made Active in Reports: 05/06/2019	Last EDR Contact: 07/03/2019
Number of Days to Update: 25	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

MO BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 05/14/2019 Date Made Active in Reports: 07/18/2019 Number of Days to Update: 65 Source: Department of Natural Resources Telephone: 573-526-8913 Last EDR Contact: 05/14/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018 Date Data Arrived at EDR: 12/18/2018 Date Made Active in Reports: 01/11/2019 Number of Days to Update: 24 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 06/04/2019 Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998Source: Environmental Protection AgencyDate Data Arrived at EDR: 12/03/2007Telephone: 703-308-8245Date Made Active in Reports: 01/24/2008Last EDR Contact: 04/26/2019Number of Days to Update: 52Next Scheduled EDR Contact: 08/12/2019Data Release Frequency: Varies

ODI: Open Dump Inventory
 An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

 Subtitle D Criteria.
 Date of Government Version: 06/30/1985
 Source: Environmental Protection Agency

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/19/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Serivces, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/23/2019
Number of Days to Update: 176	Next Scheduled EDR Contact: 08/12/2019
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

KS AOCONCERN: Area of Concern

The City of Wichita has taken the lead for the investigation and remediation efforts with the Kansas Department of Health & Environment, Bureau of Remediation. The primary contaminates of concern are chlorinated solvents and their degradation products.

Date of Government Version: N/A
Date Data Arrived at EDR: 04/25/2002
Date Made Active in Reports: 06/28/2002
Number of Days to Update: 64

Source: Department of Environmental Health Telephone: 315-268-8351 Last EDR Contact: 03/13/2007 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/24/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 50 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: No Update Planned

KS CDL: Clandestine Laboratory Data Clandestine meth lab location

> Date of Government Version: 08/09/2018 Date Data Arrived at EDR: 08/09/2018 Date Made Active in Reports: 09/12/2018 Number of Days to Update: 34

Source: Department of Health and Environment Telephone: 785-368-7301 Last EDR Contact: 05/10/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: No Update Planned

MO CDL: Environmental Emergency Response System

Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 03/08/2019 Date Data Arrived at EDR: 03/13/2019 Date Made Active in Reports: 05/13/2019 Number of Days to Update: 61 Source: Department of Natural Resources Telephone: 573-751-3443 Last EDR Contact: 06/12/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 50 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 07/02/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/25/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

KS SPILLS 2: Spills Database

All spills reported under the regulatory authority of the Kansas Corporation Commission.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 05/06/2019
Number of Days to Update: 20

Source: Kansas Corporation Commission Telephone: 316-337-6626 Last EDR Contact: 07/03/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Varies

KS SPILLS: Kansas Spills Database

All spills reported under the regulatory authority of the Department of Health & Environment and the Kansas Corporation Commission.

Date of Government Version: 04/05/2019 Date Data Arrived at EDR: 04/09/2019 Date Made Active in Reports: 05/06/2019 Number of Days to Update: 27 Source: Department of Health and Environment Telephone: 785-296-1660 Last EDR Contact: 07/03/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Semi-Annually

MO SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 03/08/2019	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/13/2019	Telephone: 573-526-3349
Date Made Active in Reports: 05/13/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 61	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 913-551-7003 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 03/07/2019	
Date Data Arrived at EDR: 04/03/2019	
Date Made Active in Reports: 05/23/2019	
Number of Days to Update: 50	

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 05/21/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 07/09/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/10/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 05/13/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/07/2019 Number of Days to Update: 42 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 05/06/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 05/10/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 06/18/2019 Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 05/24/2019
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/02/2019
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77

Source: EPA Telephone: 202-564-4203 Last EDR Contact: 04/24/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: 703-416-0223
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 07/01/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019 Date Data Arrived at EDR: 05/02/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35

Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties A listing of verified Potentially Responsible Pa	rties
Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35	Source: EPA Telephone: 202-564-6023 Last EDR Contact: 07/01/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Quarterly
PADS: PCB Activity Database System PCB Activity Database. PADS Identifies gener of PCB's who are required to notify the EPA o	rators, transporters, commercial storers and/or brokers and disposers f such activities.
Date of Government Version: 03/20/2019 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 34	Source: EPA Telephone: 202-566-0500 Last EDR Contact: 07/12/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Annually
	m (ICIS) supports the information needs of the national enforcement e needs of the National Pollutant Discharge Elimination System (NPDES)
Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79	Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 07/03/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Quarterly
FTTS tracks administrative cases and pesticic	deral Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) le enforcement actions and compliance activities related to FIFRA, Community Right-to-Know Act). To maintain currency, EDR contacts the
Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25	Source: EPA/Office of Prevention, Pesticides and Toxic Substances Telephone: 202-566-1667 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned
FTTS INSP: FIFRA/ TSCA Tracking System - FIFR A listing of FIFRA/TSCA Tracking System (FT	A (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) TS) inspections and enforcements.
Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25	Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned
	y Commission and contains a list of approximately 8,100 sites which th are subject to NRC licensing requirements. To maintain currency, s.
Date of Government Version: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016 Number of Days to Update: 43	Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List A listing of coal combustion residues surface impoundments with high hazard potential ratings.

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Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/07/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 04/26/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 04/02/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 42

Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 07/01/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

	Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40	Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned
DOT	OPS: Incident and Accident Data Department of Transporation, Office of Pipelin	e Safety Incident and Accident data.
	Date of Government Version: 12/03/2018 Date Data Arrived at EDR: 01/29/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 51	Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595 Last EDR Contact: 04/30/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Quarterly
CON	ISENT: Superfund (CERCLA) Consent Decree: Major legal settlements that establish responsi periodically by United States District Courts af	bility and standards for cleanup at NPL (Superfund) sites. Released
	Date of Government Version: 03/31/2019 Date Data Arrived at EDR: 04/23/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 30	Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 07/08/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Varies
BRS: Biennial Reporting System The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.		
	Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218	Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Biennially
INDI	AN RESERV: Indian Reservations This map layer portrays Indian administered la than 640 acres.	nds of the United States that have any area equal to or greater
	Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017 Number of Days to Update: 546	Source: USGS Telephone: 202-208-3710 Last EDR Contact: 07/10/2019 Next Scheduled EDR Contact: 10/21/2019 Data Release Frequency: Semi-Annually
FUS		Program emedial Action Program (FUSRAP) in 1974 to remediate sites where hattan Project and early U.S. Atomic Energy Commission (AEC) operations.
	Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018 Number of Days to Update: 3	Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 05/02/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Varies
UMT	RA: Uranium Mill Tailings Sites Uranium ore was mined by private companies	for federal government use in national defense programs. When the mills

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017 Number of Days to Update: 23	Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Varies
LEAD SMELTER 1: Lead Smelter Sites A listing of former lead smelter site locations.	
Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26	Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 07/01/2019 Next Scheduled EDR Contact: 10/14/2019 Data Release Frequency: Varies
	re secondary lead smelting was done from 1931and 1964. These sites estion or inhalation of contaminated soil or dust
Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36	Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
on air pollution point sources regulated by the information comes from source reports by vari steel mills, factories, and universities, and pro-	Bystem Facility Subsystem (AFS) Information Retrieval System (AIRS). AFS contains compliance data U.S. EPA and/or state and local air regulatory agencies. This isous stationary sources of air pollution, such as electric power plants, vides information about the air pollutants they produce. Action, al level plant data. It is used to track emissions and compliance
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.	
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	d for mines active or opened since 1971. The data also includes
Date of Government Version: 11/27/2018 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 33	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 05/29/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Semi-Annually
	Database Listing mines are facilities that extract ferrous metals, such as iron bus metal mines are facilities that extract nonferrous metals, such

ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/31/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/31/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/27/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 34

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 06/19/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 10

Source: EPA Telephone: (913) 551-7003 Last EDR Contact: 06/05/2019 Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 07/09/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 05/24/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites A listing of unexploded ordnance site locations Date of Government Version: 12/31/2017 Source: Department of Defense Date Data Arrived at EDR: 01/17/2019 Telephone: 703-704-1564 Date Made Active in Reports: 04/01/2019 Last EDR Contact: 07/15/2019 Number of Days to Update: 74 Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Varies FUELS PROGRAM: EPA Fuels Program Registered Listing This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations. Source: EPA Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 02/21/2019 Telephone: 800-385-6164 Date Made Active in Reports: 04/01/2019 Last EDR Contact: 05/21/2019 Number of Days to Update: 39 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Quarterly KS AIRS: Title V Source Information A listing of title V sources, including emissions information. Date of Government Version: 05/28/2018 Source: Department of Health & Environment Date Data Arrived at EDR: 02/26/2019 Telephone: 785-296-6427 Date Made Active in Reports: 05/06/2019 Last EDR Contact: 06/20/2019 Number of Days to Update: 69 Next Scheduled EDR Contact: 10/07/2019 Data Release Frequency: Annually MO AIRS: Permit Facility Listing A listing of Air Pollution Control Program permits. Date of Government Version: 11/21/2018 Source: Department of Natural Resources Date Data Arrived at EDR: 12/11/2018 Telephone: 573-751-4817 Date Made Active in Reports: 01/17/2019 Last EDR Contact: 06/14/2019 Number of Days to Update: 37 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Varies KS COAL ASH: Coal Ash Disposal Site Listing A listing of coal combustion waste landfills. Date of Government Version: 03/26/2018 Source: Department of Health & Environment Date Data Arrived at EDR: 04/17/2018 Telephone: 785-296-1600 Last EDR Contact: 07/12/2019 Date Made Active in Reports: 05/31/2018 Number of Days to Update: 44 Next Scheduled EDR Contact: 10/28/2019 Data Release Frequency: Varies MO COAL ASH: Coal Ash Disposal Sites A listing of power plants with coal ash ponds. Date of Government Version: 01/03/2018 Source: Department of Natural Resources Date Data Arrived at EDR: 02/01/2018 Telephone: 573-526-1825 Date Made Active in Reports: 03/22/2018 Last EDR Contact: 06/26/2019 Next Scheduled EDR Contact: 10/14/2019 Number of Days to Update: 49 Data Release Frequency: No Update Planned KS DRYCLEANERS: Registered Drycleaning Facilities A listing of registered drycleaners. Date of Government Version: 02/26/2019 Source: Department of Health & Environment Date Data Arrived at EDR: 02/28/2019 Telephone: 785-291-3250 Date Made Active in Reports: 05/06/2019 Last EDR Contact: 05/28/2019 Next Scheduled EDR Contact: 09/09/2019 Number of Days to Update: 67 Data Release Frequency: Varies

MO DRYCLEANERS: Drycleaners in Missouri Listing

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 06/14/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

KS Financial Assurance: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/01/2019	Source: Department of Health & Environment
Date Data Arrived at EDR: 04/03/2019	Telephone: 785-296-1685
Date Made Active in Reports: 05/03/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Quarterly

MO Financial Assurance 1: Financial Assurance Information Listing Financial Assurance information.

Date of Government Version: 03/11/2019	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/14/2019	Telephone: 573-751-3553
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 06/03/2019
Number of Days to Update: 61	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Annually

MO Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Telephone: 573-751-5401

Last EDR Contact: 06/05/2019

Date of Government Version: 10/31/2018 Date Data Arrived at EDR: 12/07/2018 Date Made Active in Reports: 01/02/2019 Number of Days to Update: 26

KS NPDES: Wastewater Permit Listing A listing of facilities with wastewater permits.

> Date of Government Version: 03/26/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 05/06/2019 Number of Days to Update: 39

Source: Department of Health & Environment Telephone: 785-296-5517 Last EDR Contact: 06/17/2019 Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Varies

Source: Department of Natural Resources

Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Quarterly

MO NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 04/01/2019	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/03/2019	Telephone: 573-751-7023
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 07/15/2019
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Quarterly

KS TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/19/2018 Date Made Active in Reports: 07/18/2018 Number of Days to Update: 29 Source: Department of Health & Environment Telephone: 785-296-1688 Last EDR Contact: 07/11/2019 Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Annually

KS UIC: Underground Injection Wells Database Listing A listing of underground injection wells.

Date of Government Version: 03/15/2019 Date Data Arrived at EDR: 03/19/2019 Date Made Active in Reports: 05/06/2019 Number of Days to Update: 48 Source: Department of Health & Environment Telephone: 785-296-1367 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

MO UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 02/21/2019 Date Made Active in Reports: 03/14/2019 Number of Days to Update: 21 Source: Department of Natural Resources Telephone: 573-368-2183 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

KS RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environment in Kansas.

Date of Government Version: N/A	Source: Department of Health and Environment
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

MO RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

KS RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environment in Kansas.

Date of Government Version: N/A	Source: Department of Health and Environment
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/20/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 203	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

MO RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

KS RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environment in Kansas.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186 Source: Department of Health and Environment Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

MO RGA LUST: Recovered Government Archive Leaking Underground Storage Tank The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 05/14/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 05/01/2019 Date Made Active in Reports: 06/21/2019 Number of Days to Update: 51 Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 05/01/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Quarterly

RI MANIFEST: Manifest information Hazardous waste manifest information

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018 Number of Days to Update: 45 Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 05/17/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018 Number of Days to Update: 24

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 06/10/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2107 SOUTH 4TH STREET 2107 SOUTH 4TH STREET LEAVENWORTH, KS 66048

TARGET PROPERTY COORDINATES

Latitude (North):	39.295671 - 39° 17' 44.42''
Longitude (West):	94.907637 - 94° 54' 27.49"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	335493.7
UTM Y (Meters):	4351114.5
Elevation:	779 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5687559 LEAVENWORTH, KS
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

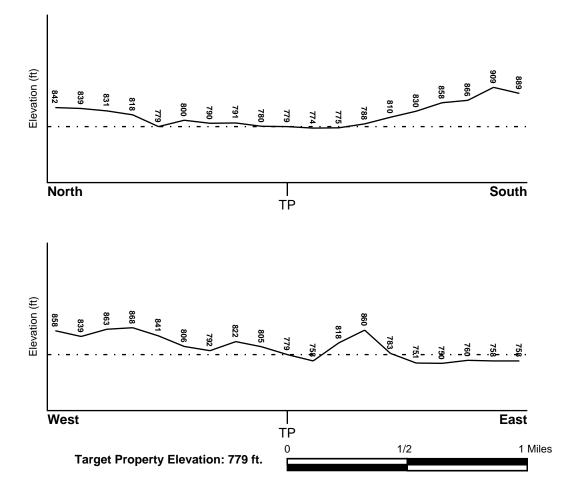
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
29165C0270D	FEMA FIRM Flood data
Additional Panels in search area:	FEMA Source Type
Not Reported	
NATIONAL WETLAND INVENTORY	

	NWI Electronic
NWI Quad at Target Property	Data Coverage
LEAVENWORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

MAP ID

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

Not Reported

LOCATION

FROM TP

GENERAL DIRECTION GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

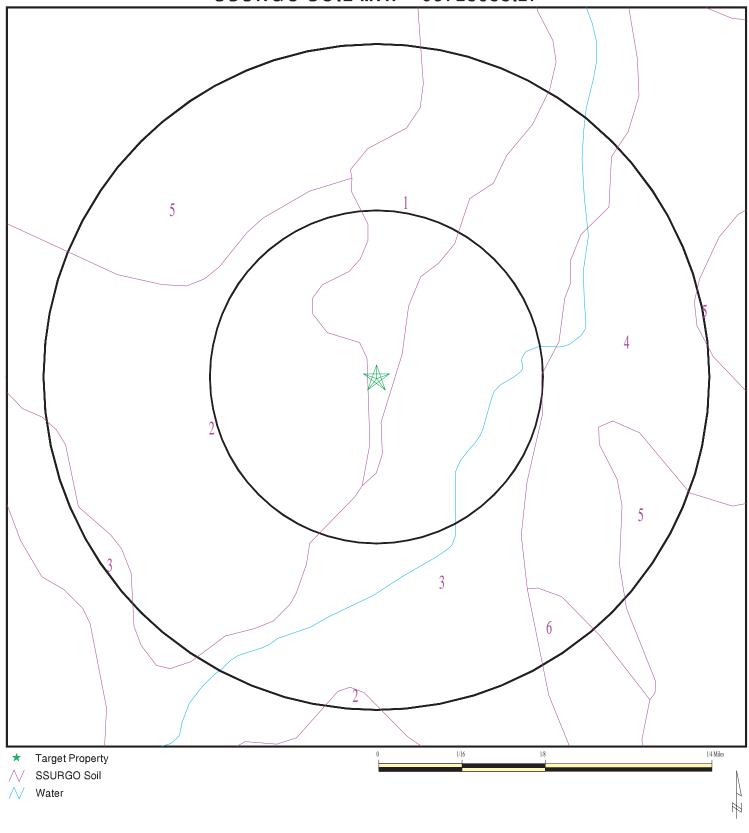
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Paleozoic	Category:	Stratifed Sequence
System:	Pennsylvanian		
Series:	Missourian Series		
Code:	PP3 (decoded above as Era, System of	& Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).





SITE NAME: ADDRESS:	2107 South 4th Street 2107 South 4th Street	
LAT/LONG:	Leavenworth KS 66048 39.295671 / 94.907637	

CLIENT: CONTACT: INQUIRY #: DATE:	Environmental Works Inc. Nicole Lounsberry 05723933.2r July 22, 2019 2:50 pm			
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DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1	
Soil Component Name:	Judson
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Bou	Indary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	7 inches	29 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	29 inches	50 inches	silty clay loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
3	50 inches	70 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
4	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6

Soil Map ID: 2	
Soil Component Name:	Ladoga
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
Boundary				Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6 Min: 5.1
2	40 inches	48 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6 Min: 5.1
3	48 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6 Min: 5.1
4	7 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6 Min: 5.1

Soil Map ID: 3	
Soil Component Name:	Kennebec
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
2	7 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
3	18 inches	31 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
4	31 inches	40 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
5	40 inches	53 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
6	53 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1

Soil Map ID: 4

Soil Component Name:	Knox
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	Low
Depth to Bedrock Min:	> 31 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	5 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
3	38 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6

Soil Map ID: 5	
Soil Component Name:	Knox
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Bou	indary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	38 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
3	5 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6

Soil Map ID: 6	
Soil Component Name:	Marshall
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Bou	indary		Classification		Saturated	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	5 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
3	11 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
4	14 inches	37 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
5	37 inches	46 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
6	46 inches	64 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS Federal FRDS PWS	1.000 Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	KS900000034677	0 - 1/8 Mile North
A2	KS900000034678	0 - 1/8 Mile North
A3	KS900000034675	0 - 1/8 Mile North
A4	KS900000034676	0 - 1/8 Mile North
A5	KS900000034679	0 - 1/8 Mile North
A6	KS900000034682	0 - 1/8 Mile North
A7	KS900000034683	0 - 1/8 Mile North
A8	KS900000034680	0 - 1/8 Mile North
A9	KS900000034681	0 - 1/8 Mile North
B10	KS900000034687	1/8 - 1/4 Mile North
B11	KS900000034688	1/8 - 1/4 Mile North
B12	KS900000034686	1/8 - 1/4 Mile North
B13	KS900000034684	1/8 - 1/4 Mile North
B14	KS900000034685	1/8 - 1/4 Mile North
B15	KS900000126092	1/8 - 1/4 Mile North
B16	KS900000126093	1/8 - 1/4 Mile North
B17	KS900000034691	1/8 - 1/4 Mile North
B18	KS900000034689	1/8 - 1/4 Mile North
B19	KS900000034690	1/8 - 1/4 Mile North
C20	KS900000126090	1/8 - 1/4 Mile NNE
C21	KS900000126091	1/8 - 1/4 Mile NNE
22	KS900000126094	1/8 - 1/4 Mile NNW
D23	KS900000235546	1/4 - 1/2 Mile ENE
D24	KS900000235547	1/4 - 1/2 Mile ENE
E25	KS900000124235	1/4 - 1/2 Mile North

STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
E26	KS9000000124236	1/4 - 1/2 Mile North
E27	KS900000124237	1/4 - 1/2 Mile North
F28	KS900000093384	1/4 - 1/2 Mile NW
F29	KS900000093386	1/4 - 1/2 Mile NW
F30	KS900000096154	1/4 - 1/2 Mile NW
F31	KS900000093382	1/4 - 1/2 Mile NW
		1/4 - 1/2 Mile NW
F32	K\$900000093377	
F33	KS900000093379	1/4 - 1/2 Mile NW
F34	KS900000093381	1/4 - 1/2 Mile NW
F35	KS900000096163	1/4 - 1/2 Mile NW
F36	KS900000096165	1/4 - 1/2 Mile NW
F37	KS900000096166	1/4 - 1/2 Mile NW
F38	KS900000096161	1/4 - 1/2 Mile NW
F39	KS900000096155	1/4 - 1/2 Mile NW
F40	KS900000096158	1/4 - 1/2 Mile NW
F41	KS900000096159	1/4 - 1/2 Mile NW
G42	KS900000126088	1/4 - 1/2 Mile NNE
G43	KS9000000126089	1/4 - 1/2 Mile NNE
H44	KS900000190509	1/4 - 1/2 Mile SSE
H45	KS900000190510	1/4 - 1/2 Mile SSE
H46	KS900000190511	1/4 - 1/2 Mile SSE
47	KS900000190516	1/4 - 1/2 Mile SSE
48	KS900000034692	1/2 - 1 Mile WNW
149	KS900000133998	1/2 - 1 Mile South
150	KS9000000104174	1/2 - 1 Mile South
150	KS900000134000	1/2 - 1 Mile South
152	KS9000000133999	1/2 - 1 Mile South
J53	KS900000181781	1/2 - 1 Mile SSE
J54	KS900000181781	1/2 - 1 Mile SSE
J55	KS900000181779	1/2 - 1 Mile SSE
J56	KS900000181780	1/2 - 1 Mile SSE
J57	KS900000190514	1/2 - 1 Mile SSE
J58	KS9000000190515	1/2 - 1 Mile SSE
J59	KS9000000190512	1/2 - 1 Mile SSE
J60	KS9000000190513	1/2 - 1 Mile SSE
K61	KS900000180573	1/2 - 1 Mile NNW
K62	KS900000180571	1/2 - 1 Mile NNW
K63	KS900000140348	1/2 - 1 Mile NNW
K64	KS900000180574	1/2 - 1 Mile NNW
K65	KS900000180582	1/2 - 1 Mile NNW
K66	KS900000180580	1/2 - 1 Mile NNW
K67	KS900000180577	1/2 - 1 Mile NNW
L68	KS900000117123	1/2 - 1 Mile NNE
L69	KS900000117122	1/2 - 1 Mile NNE
L70	KS9000000117121	1/2 - 1 Mile NNE
L71	KS9000000117126	1/2 - 1 Mile NNE
L72	KS900000117125	1/2 - 1 Mile NNE
L73	KS900000117124	1/2 - 1 Mile NNE
M74	KS900000034696	1/2 - 1 Mile West
M75	KS900000034695	1/2 - 1 Mile West
M76	KS900000034694	1/2 - 1 Mile West
M70 M77	KS900000034699	1/2 - 1 Mile West
		.,_ 111110 11000

STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
M78	KS9000000034698	1/2 - 1 Mile West
M79	KS900000034697	1/2 - 1 Mile West
N80	KS900000187237	1/2 - 1 Mile WNW
N81	KS900000187238	1/2 - 1 Mile WNW
N82	KS900000187239	1/2 - 1 Mile WNW
N83	KS900000187236	1/2 - 1 Mile WNW
N84	KS900000034693	1/2 - 1 Mile WNW
O85	KS900000034718	1/2 - 1 Mile South
O86	KS900000034719	1/2 - 1 Mile South
O87	KS900000034720	1/2 - 1 Mile South
088	KS900000034715	1/2 - 1 Mile South
O89	KS900000034716	1/2 - 1 Mile South
O90	KS900000034717	1/2 - 1 Mile South
O91	KS900000034721	1/2 - 1 Mile South
O92	KS900000103956	1/2 - 1 Mile South
O93	KS900000184336	1/2 - 1 Mile South
094	KS900000184337	1/2 - 1 Mile South
O95	KS900000090883	1/2 - 1 Mile South
096	KS9000000091091	1/2 - 1 Mile South
097	KS9000000103683	1/2 - 1 Mile South
98	KS900000121632	1/2 - 1 Mile West
P99	KS9000000146502	1/2 - 1 Mile SSE
P100	KS900000146503	1/2 - 1 Mile SSE
P101	KS9000000149650	1/2 - 1 Mile SSE
102	KS900000160102	1/2 - 1 Mile NNW
Q103 Q104	KS9000000034723 KS9000000034722	1/2 - 1 Mile SSE
Q104 Q105	KS9000000034722 KS9000000034724	1/2 - 1 Mile SSE 1/2 - 1 Mile SSE
Q105 Q106	KS9000000034724 KS9000000034726	1/2 - 1 Mile SSE
Q107	KS900000034725	1/2 - 1 Mile SSE
	10300000004720	

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID

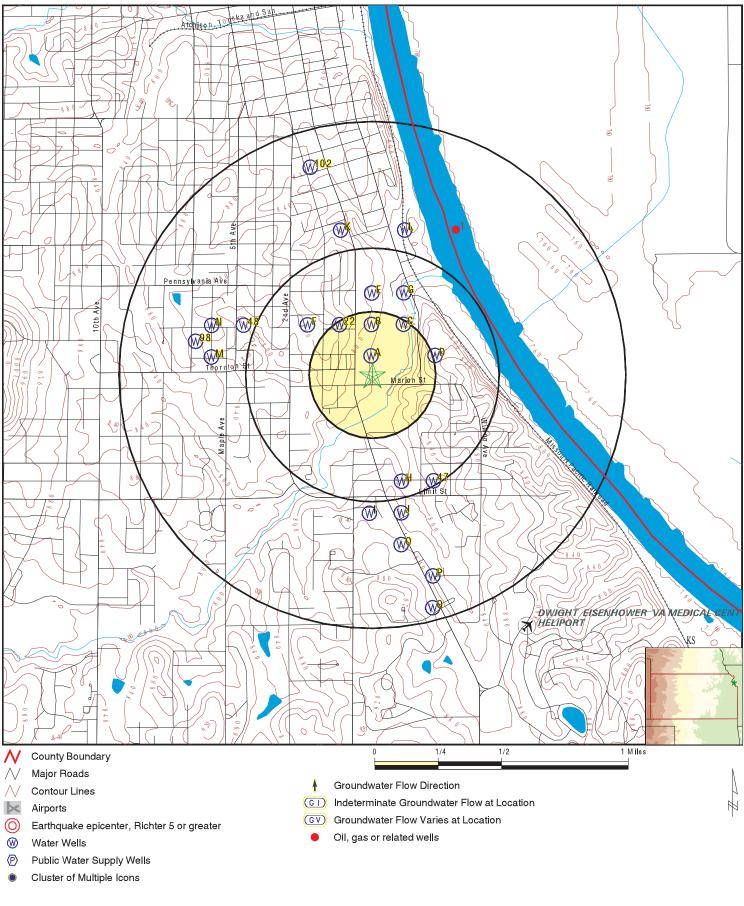
KSOG12000140936

WELL ID

LOCATION FROM TP

1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 05723933.2r



SITE NAME: 2107 South 4th StreetCLIENT: Environmental Works Inc.ADDRESS: 2107 South 4th StreetCONTACT: Nicole LounsberryLeavenworth KS 66048INQUIRY #: 05723933.2rLAT/LONG: 39.295671 / 94.907637DATE: July 22, 2019 2:50 pm
--

Map ID Direction				
Distance Elevation		Data	oase	EDR ID Number
A1 North 0 - 1/8 Mile Higher		KS W	ELLS	KS900000034677
Well ID: Well Use: Status: DWR #: Elevation: Est Yield:	35281 Monitoring well/observation/piezomete CONSTRUCTED 0 0	Completion Date: Well Depth: Static Depth to Water: Driller:	20-No 29.5 17.6 Terrao	B Corporation ov-1989 con Consultants, Inc.
URL: A2 North 0 - 1/8 Mile	http://chasm.kgs.ku.edu/ords/wwc5.w		ELLS	KS900000034678
Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35282 Monitoring well/observation/piezomete CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/wwc5.w	Completion Date: Well Depth: Static Depth to Water: Driller:	10-Ja 24.5 9.5 Terra	B Corporation n-1990 con Consultants, Inc.
A3 North 0 - 1/8 Mile Higher		KS W	ELLS	KS900000034675
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35279 Monitoring well/observation/piezomete PLUGGED 0 0 0 http://chasm.kgs.ku.edu/ords/wwc5.w	Completion Date: Well Depth: Static Depth to Water: Driller:	27-Ju 24 11.2 Terrae	B Corporation n-1990 con Consultants, Inc.
A4 North 0 - 1/8 Mile Higher		KS W	ELLS	KS900000034676
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35280 Monitoring well/observation/piezomete CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/wwc5.w	Completion Date: Well Depth: Static Depth to Water: Driller:	20-Nc 24 10.85 Terrae	B Corporation ov-1989 con Consultants, Inc.

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A5 North 0 - 1/8 Mile Higher			KS WELLS	KS900000034679
Well ID:	35283	Owner:	Four	B Corporation
Well Use: Status:	Monitoring well/observation/p CONSTRUCTED	Completion Date:	10-J;	an-1990
DWR #: Elevation:	0 0	Well Depth: Static Depth to Water:	24 9.24	
Est Yield:	0	Static Depth to Water: Driller:		acon Consultants, Inc.
URL:	http://chasm.kgs.ku.edu/ords	/wwc5.wwc5d2.well_details?well_i	d=35283	
A6 North 0 - 1/8 Mile			KS WELLS	KS900000034682
Higher Well ID:	35286	Owner:	Four	B Corporation
Well Use:	Monitoring well/observation/p			
Status: DWR #:	CONSTRUCTED 0	Completion Date: Well Depth:	21-N 19.3	ov-1989
Elevation:	0	Static Depth to Water:	8.86	
Est Yield: URL:	0	Driller: /wwc5.wwc5d2.well_details?well_i		acon Consultants, Inc.
A7 North 0 - 1/8 Mile Higher			KS WELLS	KS900000034683
Well ID:	35287	Owner:	Four	B Corporation
Well Use: Status:	Monitoring well/observation/p PLUGGED	Completion Date:	271	un-1990
DWR #:	0	Well Depth:	29.5	
Elevation:	0	Static Depth to Water:	17.6 Torre	ann Concultanta Inc
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords	Driller: /wwc5.wwc5d2.well_details?well_i		acon Consultants, Inc.
A8 North				
0 - 1/8 Mile			KS WELLS	KS900000034680
0 - 1/8 Mile Higher Well ID:	35284	Owner:		KS900000034680 B Corporation
0 - 1/8 Mile Higher Well ID: Well Use:	Monitoring well/observation/p	viezometer	Four	B Corporation
0 - 1/8 Mile Higher Well ID:			Four	
0 - 1/8 Mile Higher Well ID: Well Use: Status: DWR #: Elevation:	Monitoring well/observation/p PLUGGED 0 0	iezometer Completion Date: Well Depth: Static Depth to Water:	Four 27-Ji 24 10.8	B Corporation un-1990 5
0 - 1/8 Mile Higher Well ID: Well Use: Status: DWR #:	Monitoring well/observation/p PLUGGED 0 0 0	iezometer Completion Date: Well Depth:	Four 27-Ji 24 10.8 Terra	B Corporation un-1990

Map ID Direction			
Distance Elevation	Data	base	EDR ID Number
A9 North 0 - 1/8 Mile Higher	KS W	ELLS	KS900000034681
Status: CONSTRUCTED		27-J	B Corporation
DWR #: 0 Elevation: 0	Well Depth: Static Depth to Water:	24 11.2	
Est Yield: 0	ku.edu/ords/wwc5.wwc5d2.well_details?well_id=352	Terra	acon Consultants, Inc.
B10 North 1/8 - 1/4 Mile Higher	KS W	ELLS	KS900000034687
Well ID: 35291	Owner:	GNE	8
Well Use: Monitoring well/o Status: CONSTRUCTED	bservation/piezometer Completion Date:	03-A	.pr-1992
DWR #: 0	Well Depth:	40	pr-1002
Elevation: 787	Static Depth to Water:	15	
Est Yield: 0 URL: http://chasm.kgs.	Driller: ku.edu/ords/wwc5.wwc5d2.well_details?well_id=352		t Hazmat Drilling Corp.
B11 North 1/8 - 1/4 Mile Higher	KS W	ELLS	KS900000034688
Well ID: 35292	Owner:	GNE	5
	bservation/piezometer	06 4	pr 1002
Status: CONSTRUCTED DWR #: 0	Completion Date: Well Depth:	40	pr-1992
Elevation: 796	Static Depth to Water:	19.7	
Est Yield: 0	Driller:		t Hazmat Drilling Corp.
URL: http://chasm.kgs.	.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=352	92	
B12 North 1/8 - 1/4 Mile Higher	KS W	ELLS	KS900000034686
Well ID: 35290	Owner:	GNE	3
Well Use: Monitoring well/o Status: CONSTRUCTED	bservation/piezometer Completion Date:	03-A	pr-1992
DWR #: 0	Well Depth:	28	
Elevation: 788	Static Depth to Water:	14	
Est Yield: 0	Driller:	W/AS	t Hazmat Drilling Corp.
	.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=3529		t hazmat Drining Oorp.

Map ID Direction Distance Elevation			Database	EDR ID Number
B13 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000034684
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35288 Monitoring well/observation/pie: CONSTRUCTED 0 785.5 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	29.6 8.6 West	pr-1992 t Hazmat Drilling Corp.
B14 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000034685
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35289 Monitoring well/observation/pie: CONSTRUCTED 0 782.5 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	25 6 West	pr-1992 t Hazmat Drilling Corp.
B15 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000126092
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	309972 Monitoring well/observation/pie: CONSTRUCTED 0 783.99 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	28-A 42 0 PSC	Battery Technologies ug-1999 Industrial Outsourcing, LP
B16 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000126093
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	309973 Monitoring well/observation/pie: CONSTRUCTED 0 783.8 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	25-A 19.9 11.5 PSC	Battery Technologies, Inc. ug-1999 Industrial Outsourcing, LP

Map ID Direction Distance Elevation			Database	EDR ID Number
B17 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000034691
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35295 Monitoring well/observation/piez CONSTRUCTED 0 798 0 http://chasm.kgs.ku.edu/ords/ww	Completion Date: Well Depth: Static Depth to Water: Driller:	45 24 West	pr-1992 : Hazmat Drilling Corp.
B18 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000034689
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35293 Monitoring well/observation/piez CONSTRUCTED 0 794 0 http://chasm.kgs.ku.edu/ords/wv	Completion Date: Well Depth: Static Depth to Water: Driller:	49 18 West	pr-1992 : Hazmat Drilling Corp.
B19 North 1/8 - 1/4 Mile Higher			KS WELLS	KS900000034690
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35294 Monitoring well/observation/piez CONSTRUCTED 0 800 0 http://chasm.kgs.ku.edu/ords/wv	Completion Date: Well Depth: Static Depth to Water: Driller:	54 22 West	pr-1992 : Hazmat Drilling Corp.
C20 NNE 1/8 - 1/4 Mile Lower			KS WELLS	KS900000126090
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	309970 Monitoring well/observation/piez CONSTRUCTED 0 771.3 0 http://chasm.kgs.ku.edu/ords/wv	Completion Date: Well Depth: Static Depth to Water: Driller:	26-A 17.94 0 PSC	Battery Technologies ug-1999 4 Industrial Outsourcing, LP

Map ID Direction Distance				
Elevation			Database	EDR ID Number
C21 NNE 1/8 - 1/4 Mile Lower			KS WELLS	KS900000126091
Well ID:	309971	Owner:	GNB	Battery Technologies
Well Use:	Monitoring well/observation/pie			
Status:	CONSTRUCTED	Completion Date:		ug-1999
DWR #: Elevation:	0 771.38	Well Depth: Static Dopth to Water:	46.09	9
Elevation. Est Yield:	0	Static Depth to Water: Driller:	0 PSC	Industrial Outsourcing, L
URL:	-	vwc5.wwc5d2.well_details?well_		
22 NNW 1/8 - 1/4 Mile Higher			KS WELLS	KS900000126094
Well ID:	309974	Owner:	GNB	Battery Technologies
Well Use:	(unstated)/abandoned	Status:		GGED
Completion Date:	26-Aug-1999	DWR #:	0	0020
Well Depth:	47	Elevation:	815.4	12
Static Depth to Water:	36.58	Est Yield:	0	
Driller:	PSC Industrial Outsourcing, LF	5		
D23 ENE 1/4 - 1/2 Mile Higher			KS WELLS	KS900000235546
Well ID:	464536	Owner:	DGS	LLC
Well Use:	Monitoring well/observation/pie			
Status:	CONSTRUCTED	Completion Date:	17-Ja	an-2013
DWR #:	0	Well Depth:	45	
Elevation:	0	Static Depth to Water:	0	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords/v	Driller: vwc5.wwc5d2.well_details?well_		en and Associates, Inc.
D24 ENE 1/4 - 1/2 Mile			KS WELLS	KS900000235547
Higher	404507	0	500	
Well ID: Well Use:	464537 Monitoring well/obsen/ation/pic	Owner:	DGS	LLC
Status:	Monitoring well/observation/pie CONSTRUCTED	Completion Date:	17 1	an-2013
DWR #:	0	Well Depth:	20	aii-2013
Elevation:	0	Static Depth to Water:	20	
Est Yield:	0	Driller:		en and Associates, Inc.
URL:	÷	wc5.wwc5d2.well_details?well_		
	http://ondoningondiodd/0106/v		10 1001	

Map ID Direction			
Distance Elevation		Database	EDR ID Number
E25 North 1/4 - 1/2 Mile Higher		KS WELLS	KS900000124235
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	0 Well D	letion Date: 28-0 Depth: 45 Depth to Water: 16 : PSI	3 Battery Technologies Oct-1998
E26 North 1/4 - 1/2 Mile Higher		KS WELLS	KS900000124236
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	0 Well D	letion Date: 28-0 Depth: 40 Depth to Water: 23 : PSI	3 Battery Technologies Oct-1998
E27 North 1/4 - 1/2 Mile Higher		KS WELLS	KS900000124237
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	0 Well D	letion Date: 28-0 Depth: 17 Depth to Water: 16 : PSI	3 Battery Technologies Oct-1998
F28 NW 1/4 - 1/2 Mile Higher		KS WELLS	KS900000093384
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	0 Well D	letion Date: 01-A Depth: 45.2 Depth to Water: 13.1 : Phill	

Map ID Direction Distance Elevation			Database	EDR ID Number
F29 NW 1/4 - 1/2 Mile Higher			KS WELLS	KS900000093386
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	95599 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	31-J 44.7 10.6 Philli	, Inc. ul-1994 ps Environmental
F30 NW 1/4 - 1/2 Mile Higher			KS WELLS	KS900000096154
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	98410 Monitoring well/observation/pie PLUGGED 0 782.4 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	28-N 25 9.66 Scha	, Inc. Iar-1995 aal Drilling Co.
F31 NW 1/4 - 1/2 Mile Higher			KS WELLS	KS900000093382
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	95595 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	01-A 43.5 17.8 Philli	, Inc. ug-1994 5 ps Environmental
F32 NW 1/4 - 1/2 Mile Higher			KS WELLS	KS900000093377
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	95590 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w	Completion Date: Well Depth: Static Depth to Water: Driller:	29-J 16.8 9.2 Philli	, Inc. ul-1994 ps Environmental

Map ID Direction					
Distance Elevation			Databas	se	EDR ID Number
F33 NW 1/4 - 1/2 Mile Higher			KS WEL	LS	KS900000093379
Well ID: Well Use:	95592 (Monitoring well/observation/piezometer	Owner:		GNB,	Inc.
Status: DWR #:	CONSTRUCTED	Completion Date: Well Depth:		27-Jul 28.3	-1994
Elevation: Est Yield:		Static Depth to Water: Driller:		20.38 Phillips	s Environmental
URL:	http://chasm.kgs.ku.edu/ords/wwc5.wwo	c5d2.well_details?well_id	d=95592	·	
F34 NW 1/4 - 1/2 Mile Higher			KS WEL	LS	KS900000093381
Well ID: Well Use:	95594 (Monitoring well/observation/piezometer	Owner:		GNB,	Inc.
Status:	CONSTRUCTED	Completion Date:		27-Jul	-1994
DWR #: Elevation:		Nell Depth: Static Depth to Water:		30 28.76	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords/wwc5.wwo	Driller: c5d2.well_details?well_id		Phillip	s Environmental
F35 NW 1/4 - 1/2 Mile Higher			KS WEL	LS	KS900000096163
Well ID:		Owner:		GNB,	Inc.
Well Use: Status:	Monitoring well/observation/piezometer PLUGGED	Completion Date:		30-Ma	ar-1995
DWR #:	0	Nell Depth:		49	
Elevation: Est Yield:		Static Depth to Water: Driller:		21.48 Phillips	s Environmental
URL:	http://chasm.kgs.ku.edu/ords/wwc5.wwo	c5d2.well_details?well_id			
F36 NW 1/4 - 1/2 Mile Higher			KS WEL	LS	KS900000096165
Well ID:		Owner:		GNB,	Inc.
Well Use: Status:	Monitoring well/observation/piezometer PLUGGED	Completion Date:		30-Ma	ar-1995
DWR #:	0	Vell Depth:		26	
Elevation: Est Yield:		Static Depth to Water: Driller:		20.76 Phillips	s Environmental
URL:	http://chasm.kgs.ku.edu/ords/wwc5.wwo				

Map ID Direction					
Distance Elevation			Databa	ise	EDR ID Number
F37 NW 1/4 - 1/2 Mile Higher			KS WEI	_LS	KS900000096166
Well ID: Well Use:	98422 Monitoring well/observation/piezomet	Owner: er		GNB,	, Inc.
Status: DWR #:	PLUGGED 0	Completion Date: Well Depth:		28-M 44.7	ar-1995
Elevation: Est Yield:	783 0	Static Depth to Water: Driller:		20	os Environmental
URL:	http://chasm.kgs.ku.edu/ords/wwc5.w		id=98422		
F38 NW 1/4 - 1/2 Mile Higher			KS WEI	LLS	KS900000096161
Well ID:	98417 Manitoring well/choon ation/piggamet	Owner:		GNB,	, Inc.
Well Use: Status:	Monitoring well/observation/piezomet PLUGGED	Completion Date:		29-M	ar-1995
DWR #: Elevation:	0 786.47	Well Depth: Static Depth to Water:		40 18.12)
Est Yield:	0	Driller:			s Environmental
F39 NW 1/4 - 1/2 Mile	http://chasm.kgs.ku.edu/ords/wwc5.w		KS WEI		KS900000096155
Higher					
Well ID: Well Use:	98411 Monitoring well/observation/piezomet	Owner: er		GNB,	, Inc.
Status:	PLUGGED	Completion Date:		30-M	ar-1995
DWR #: Elevation:	0 787	Well Depth: Static Depth to Water:		43.5 18.09	
Est Yield:	0	Static Depth to Water: Driller:			os Environmental
URL:	http://chasm.kgs.ku.edu/ords/wwc5.w	wc5d2.well_details?well_	id=98411		
F40 NW 1/4 - 1/2 Mile Higher			KS WEI	LLS	KS900000096158
Well ID:	98414	Owner:		GNB,	, Inc.
Well Use: Status:	Monitoring well/observation/piezomet PLUGGED	er Completion Date:		28-M	ar-1995
DWR #:	0	Well Depth:		30	
Elevation:	785.4	Static Depth to Water:		14.74	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords/wwc5.w	Driller: wc5d2 well_details2well	id_98111		os Environmental
UNE.	mp.//onasin.kgs.ku.euu/01us/wW03.M		ju-30414		

Map ID Direction				
Distance Elevation			Database	EDR ID Number
F41 NW 1/4 - 1/2 Mile Higher			KS WELLS	KS900000096159
Well ID: Well Use:	98415 Monitoring well/observation/	•	GNB	, Inc.
Status: DWR #:	PLUGGED 0	Completion Date: Well Depth:	29-M 30	ar-1995
Elevation:	787.21	Static Depth to Water:	17.52	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ord	Driller: s/wwc5.wwc5d2.well_details?well_i		ps Environmental
G42 NNE 1/4 - 1/2 Mile Lower			KS WELLS	KS900000126088
Well ID: Well Use:	309968 Monitoring well/observation/	Owner:	GNB	Battery Technologies
Status:	CONSTRUCTED	Completion Date:		ug-1999
DWR #: Elevation:	0 770.49	Well Depth: Static Depth to Water:	16.14 0	1
Est Yield: URL:	0	Driller: s/wwc5.wwc5d2.well_details?well_i	PSC	Industrial Outsourcing, LP
G43 NNE 1/4 - 1/2 Mile Lower			KS WELLS	KS900000126089
Well ID:	309969	Owner:	GNB	Battery Technologies
Well Use: Status:	Monitoring well/observation/ CONSTRUCTED	Completion Date:	27-A	ug-1999
DWR #:	0	Well Depth:	53.55	5
Elevation: Est Yield: URL:	770.43 0 http://chasm.kgs.ku.edu/ord	Static Depth to Water: Driller: s/wwc5.wwc5d2.well_details?well_i		Industrial Outsourcing, LP
 H44			KS WELLS	///////////////////////////////////////
SSE 1/4 - 1/2 Mile Higher			KS WELLS	KS900000190509
Well ID: Owner: Well Use:	402343 Kansas Dept. of Health and Monitoring well/observation/			
Status:	CONSTRUCTED	Completion Date:		pr-2007
DWR #: Elevation:	0 817.43	Well Depth:	25 18.3	
Elevation.	011.40	Static Depth to Water.	10.5	
Est Yield: URL:	0	Static Depth to Water: Driller: s/wwc5.wwc5d2.well_details?well_i	Larse	en and Associates, Inc.

Map ID Direction Distance			
Elevation		Database	EDR ID Number
H45 SSE 1/4 - 1/2 Mile Higher		KS WELLS	KS900000190510
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield: URL:	402344 Kansas Dept. of Health and Environment Monitoring well/observation/piezometer CONSTRUCTED Completion Date: 41419 Well Depth: 801.38 Static Depth to Wate 0 Driller: http://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?wd	20 r: 14.78 Larse	ar-2007 3 en and Associates, Inc.
H46 SSE 1/4 - 1/2 Mile Higher		KS WELLS	KS900000190511
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield: URL:	402345 Kansas Dept. of Health and Environment Monitoring well/observation/piezometer CONSTRUCTED Completion Date: 41420 Well Depth: 800.46 Static Depth to Wate 0 Driller: http://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?we	20 r: 13.17 Larse	lar-2007 7 en and Associates, Inc.
47 SSE 1/4 - 1/2 Mile Higher		KS WELLS	KS900000190516
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield: URL:	402365 Kansas Dept. of Health and Environment Monitoring well/observation/piezometer CONSTRUCTED Completion Date: 41422 Well Depth: 794.97 Static Depth to Wate 0 Driller: http://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?wd	r: 7 Larse	ar-2007 en and Associates, Inc.
48 WNW 1/2 - 1 Mile Higher		KS WELLS	KS900000034692
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35296Owner:Monitoring well/observation/piezometerCONSTRUCTEDCompletion Date:0Well Depth:0Static Depth to Wate0Driller:http://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?wd	02-A 15 r: 11.8 JB E	e's Apco pr-1992 nvironmental Drilling

Map ID Direction				
Distance Elevation			Database	EDR ID Number
l49 South 1/2 - 1 Mile Higher			KS WELLS	KS900000133998
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	318016 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/v	Owner: ezometer Completion Date: Well Depth: Static Depth to Water: Driller: vwc5.wwc5d2.well_details?well_	08-Ja 19 7.26 Asso	E/Adams Standard Service an-2001 ciated Environmental, Inc.
I50 South 1/2 - 1 Mile Higher			KS WELLS	KS900000104174
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	106646 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/v	Owner: ezometer Completion Date: Well Depth: Static Depth to Water: Driller: vwc5.wwc5d2.well_details?well_	17-A 39.5 13.6 MIKC	E/Storage Tank Section pr-1996 DN Corporation
I51 South 1/2 - 1 Mile Higher			KS WELLS	KS900000134000
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	318018 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/v	Owner: ezometer Completion Date: Well Depth: Static Depth to Water: Driller: vwc5.wwc5d2.well_details?well_	08-Ja 19 4.59 Asso	E/Adams Standard Service an-2001 rciated Environmental, Inc.
I52 South 1/2 - 1 Mile Higher			KS WELLS	KS900000133999
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	318017 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/v	Owner: szometer Completion Date: Well Depth: Static Depth to Water: Driller: vwc5.wwc5d2.well_details?well_	08-Ja 19 11.3 Asso	E/Adams Standard Service an-2001 ciated Environmental, Inc.

Map ID				
Direction				
Distance Elevation			Database	EDR ID Number
J53 SSE			KS WELLS	KS900000181781
1/2 - 1 Mile Higher				
Well ID:	387582	Owner:	KDH	E-BER/Adams Standard Service
Well Use: Status:	Monitoring well/observation/pie CONSTRUCTED	zometer Completion Date:	06-M	lar-2006
DWR #:	0	Well Depth:	15	
Elevation: Est Yield:	0 0	Static Depth to Water: Driller:	0	en and Associates, Inc.
URL:	http://chasm.kgs.ku.edu/ords/w			
J54				
SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000181782
Well ID:	387583 Manitaring wall/abaan ation/nig	Owner:	KDH	E-BER/Adams Standard Service
Well Use: Status:	Monitoring well/observation/pie CONSTRUCTED	Completion Date:	06-M	lar-2006
DWR #:	0	Well Depth:	20	
Elevation:	828.44	Static Depth to Water:	18.9	
Est Yield: URL:	0 http://chasm.kos.ku.edu/ords/w	Driller: wc5.wwc5d2.well_details?well_		en and Associates, Inc.
J55 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000181779
Well ID:	387580	Owner:	KDH	E-BER/Adams Standard Service
Well Use:	Monitoring well/observation/pie CONSTRUCTED		06 M	lor 2006
Status: DWR #:	0	Completion Date: Well Depth:	15	lar-2006
Elevation:	0	Static Depth to Water:	10.53	3
Est Yield: URL:	0 http://chaam.kga.ku.adu/arda/u	Driller: wc5.wwc5d2.well_details?well_		en and Associates, Inc.
	nių.//onasini.kgs.ku.edu/orus/w	wco.wwcouz.weii_deiaiis ! weii_	iu=307300	
J56 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000181780
Well ID:	387581 Monitoring well/observation/nie	Owner:	KDH	E-BER/Adams Standard Service
Well Use: Status:	Monitoring well/observation/pie CONSTRUCTED	Zometer Completion Date:	06-M	lar-2006
DWR #:	0	Well Depth:	15	
Elevation:	0	Static Depth to Water:	0	
Est Yield: URL:	0 http://chasm.kos.ku.edu/ords/w	Driller: wc5.wwc5d2.well_details?well_		en and Associates, Inc.

Map ID Direction				
Distance Elevation			Database	EDR ID Number
J57 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000190514
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield: URL:	402348 Kansas Dept. of Health and Envir Monitoring well/observation/piezo CONSTRUCTED 0 817.57 0 http://chasm.kgs.ku.edu/ords/www	meter Completion Date: Well Depth: Static Depth to Water: Driller:	32 20.49 Larse	ar-2007 n and Associates, Inc.
J58 SSE 1/2 - 1 Mile Higher			KS WELLS	KS9000000190515
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield: URL:	402361 Kansas Dept. of Health and Envir Monitoring well/observation/piezo CONSTRUCTED 0 797.67 0 http://chasm.kgs.ku.edu/ords/www	meter Completion Date: Well Depth: Static Depth to Water: Driller:	15 6.71 Larse	ar-2007 In and Associates, Inc.
J59 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000190512
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield: URL:	402346 Kansas Dept. of Health and Envir Monitoring well/observation/piezo CONSTRUCTED 41417 813.08 0 http://chasm.kgs.ku.edu/ords/wwo	meter Completion Date: Well Depth: Static Depth to Water: Driller:	29 18.23 Larse	ar-2007 , n and Associates, Inc.
J60 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000190513
Well ID: Owner: Well Use: Status: DWR #: Elevation: Est Yield:	402347 Kansas Dept. of Health and Envir Monitoring well/observation/piezo CONSTRUCTED 0 814.34 0		25 22.26	ar-2007 ; n and Associates, Inc.

URL:

http://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=402347

K61 NNW 1/2 - 1 Mile Higher			KS WELLS	KS9000000180573
Well ID:	385516	Owner:	Ochs	, Raymond
Well Use:	Monitoring well/observ	•		
Status:	PLUGGED	Completion Date:		ay-2006
DWR #:	0	Well Depth:	10	
Elevation:	0	Static Depth to Water:	6.7	
Est Yield: URL:		Driller:		nco Great Plains, Inc.
UKL.	http://onasin.kgs.ku.eu	u/ords/wwc5.wwc5d2.well_details?well_	<u>iu-3000 iu</u>	
K62 NNW 1/2 - 1 Mile Higher			KS WELLS	KS9000000180571
Well ID:	385514	Owner:	Ochs	, Raymond
Well Use:	Monitoring well/observ	ation/piezometer		, · · · · , · · · · · ·
Status:	PLUGGED	Completion Date:	16-M	ay-2006
DWR #:	0	Well Depth:	30	.,
Elevation:	0	Static Depth to Water:	24	
Est Yield:	0	Driller:		nco Great Plains, Inc.
URL:	-	u/ords/wwc5.wwc5d2.well_details?well_		
K63 NNW 1/2 - 1 Mile Higher			KS WELLS	KS9000000140348
-	204040	0	Osha	Deveneerd
Well ID: Well Use:	324912 Monitoring well/observ	Owner:	Ochs	, Raymond
Status:	PLUGGED		24.0	at 2001
DWR #:	0	Completion Date:	12	ct-2001
Elevation:	0	Well Depth: Static Depth to Water:	0	
Est Yield:	0	Driller:	-	State Services, Inc.
URL:	-	u/ords/wwc5.wwc5d2.well_details?well_		
K64 NNW 1/2 - 1 Mile Higher			KS WELLS	KS900000180574
Well ID:	385517	Owner:	Ochs	, Raymond
Well Use:	Monitoring well/observ		2 5110	, .,
Status:	PLUGGED	Completion Date:	16-M	ay-2006
DWR #:	0	Well Depth:	9	,
Elevation:	0	Static Depth to Water:	9 6.65	
Est Yield:	0	Driller:		nco Great Plains, Inc.
	-			neo Great Fidins, Inc.
URL:	nttp://cnasm.kgs.ku.ed	u/ords/wwc5.wwc5d2.well_details?well_	_iu=385517	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
K65 NNW 1/2 - 1 Mile Higher			KS WELLS	KS900000180582
Well ID: Well Use:	385525 Ov Monitoring well/observation/piezometer	wner:	Ochs	, Raymond
Status: DWR #:	PLUGGED Co	ompletion Date: ell Depth:	16-Ma 25	ay-2006
Elevation:	0 Sta	atic Depth to Water:	18.28	
Est Yield: URL:	0 Dr http://chasm.kgs.ku.edu/ords/wwc5.wwc5	iller: id2.well_details?well_		nco Great Plains, Inc.
K66 NNW 1/2 - 1 Mile Higher			KS WELLS	KS9000000180580
Well ID:		wner:	Ochs	, Raymond
Well Use: Status:	Monitoring well/observation/piezometer PLUGGED Co	ompletion Date:	16-Ma	ay-2006
DWR #:	0 W	ell Depth:	30	
Elevation: Est Yield:		atic Depth to Water: iller:	27.12 Corar	nco Great Plains, Inc.
K67 NNW 1/2 - 1 Mile Higher			KS WELLS	KS900000180577
Well ID: Well Use:	385520 Ov Monitoring well/observation/piezometer	wner:	Ochs	, Raymond
Status:	PLUGGED Co	mpletion Date:		ay-2006
DWR #: Elevation:		ell Depth: atic Depth to Water:	31 24.49	
Est Yield: URL:		iller:		nco Great Plains, Inc.
L68 NNE			KS WELLS	KS9000000117123
1/2 - 1 Mile Lower				
Well ID: Well Use:	Monitoring well/observation/piezometer	wner:		, Raymond
Status: DWR #:		ompletion Date: ell Depth:	10-Ju 32	n-1998
Elevation:		atic Depth to Water:	32 24.65	
Est Yield: URL:		iller:		vironmental Drilling
UNL.	mip.//chasm.kgs.ku.euu/orus/wwc3.wwc3	vuz.weii_uetaiis?weli_	iu-3007 33	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
L69 NNE 1/2 - 1 Mile Lower			KS WELLS	KS9000000117122
Well ID:	300792	Owner:	Ray's	s Арсо
Well Use: Status:	Monitoring well/observation/p CONSTRUCTED	ezometer Completion Date:	09-O	ct-1998
DWR #:	0	Well Depth:	30	
Elevation: Est Yield:	0 0	Static Depth to Water: Driller:	24.89 IB E) nvironmental Drilling
URL:	-	wwc5.wwc5d2.well_details?well_		Wildimental Dhining
L70 NNE 1/2 - 1 Mile Lower			KS WELLS	KS900000117121
Well ID:	300791	Owner:	Ray's	з Арсо
Well Use:	Monitoring well/observation/p			
Status: DWR #:	CONSTRUCTED 0	Completion Date: Well Depth:	09-O 25	ct-1998
Elevation:	0	Static Depth to Water:	18.47	7
Est Yield: URL:	0	Driller: wwc5.wwc5d2.well_details?well_		nvironmental Drilling
L71 NNE 1/2 - 1 Mile Lower			KS WELLS	KS900000117126
Well ID:	300796	Owner:	Ochs	, Raymond
Well Use: Status:	Monitoring well/observation/p CONSTRUCTED	ezometer Completion Date:	11lı	ın-1998
DWR #:	0	Well Depth:	10	
Elevation:	0	Static Depth to Water:	0	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords/	Driller: wwc5.wwc5d2.well_details?well_		nvironmental Drilling
L72 NNE 1/2 - 1 Mile Lower			KS WELLS	KS9000000117125
Well ID: Well Use:	300795 Monitoring well/observation/p	Owner:	Ochs	, Raymond
Status:		Completion Date:	10-Ju	ın-1998
DWR #:	0	Well Depth:	12	
Elevation:	0	Static Depth to Water:	6.58	wiresmentel Dallia
Est Yield: URL:	0 http://chasm.kos.ku.edu/ords/	Driller: wwc5.wwc5d2.well_details?well_		nvironmental Drilling
0				

Map ID Direction				
Distance Elevation		Databa	ise	EDR ID Number
L73 NNE 1/2 - 1 Mile Lower		KS WE	LLS	KS9000000117124
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED C 0 W 0 S	wner: completion Date: /ell Depth: tatic Depth to Water: riller: 5d2.well_details?well_id=30079		
M74 West 1/2 - 1 Mile Higher		KS WE	LLS	KS900000034696
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED C 0 W 0 S	wner: completion Date: /ell Depth: tatic Depth to Water: riller: 5d2.well_details?well_id=35300		
M75 West 1/2 - 1 Mile Higher		KS WE	LLS	KS900000034695
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED C 0 W 0 S	owner: completion Date: /ell Depth: tatic Depth to Water: riller: 5d2.well_details?well_id=35299		
M76 West 1/2 - 1 Mile Higher		KS WE	LLS	KS900000034694
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED C 0 W 0 S	wner: ompletion Date: /ell Depth: tatic Depth to Water: riller: 5d2.well_details?well_id=35298		

Map ID Direction Distance			Detabase	
Elevation M77 West 1/2 - 1 Mile Higher			Database	EDR ID Number KS900000034699
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED Co 0 W 0 St	wner: ompletion Date: ell Depth: atic Depth to Water: iller: id2.well_details?well_	29-Ju 18.5 11.5 JB Ei	e's Apco un-1992 nvironmental Drilling
M78 West 1/2 - 1 Mile Higher			KS WELLS	KS900000034698
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED Co 0 W 0 St	wner: ompletion Date: ell Depth: atic Depth to Water: iller: id2.well_details?well_	29-Ju 12.7 10.8 JB Ei	e's Apco un-1992 nvironmental Drilling
M79 West 1/2 - 1 Mile Higher			KS WELLS	KS900000034697
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer CONSTRUCTED Co 0 W 0 St	wner: ompletion Date: ell Depth: atic Depth to Water: iller: id2.well_details?well_	29-Ju 15 11.9 JB Ei	e's Apco un-1992 nvironmental Drilling
N80 WNW 1/2 - 1 Mile Higher			KS WELLS	KS900000187237
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	Monitoring well/observation/piezometer PLUGGED Co 0 W 0 St	wner: ompletion Date: ell Depth: atic Depth to Water: iller: id2.well_details?well_	22-N 12 9.25 Asso	e's Apco ov-2006 ciated Environmental, Inc.

Map ID Direction Distance Elevation			Database	EDR ID Number
N81 WNW 1/2 - 1 Mile Higher			KS WELLS	KS900000187238
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	397644 Monitoring well/observation/piez PLUGGED 0 0 0 http://chasm.kgs.ku.edu/ords/ww	Completion Date: Well Depth: Static Depth to Water: Driller:	22-N 15 7.8 Asso	e's Apco ov-2006 ciated Environmental, Inc.
N82 WNW 1/2 - 1 Mile Higher			KS WELLS	KS900000187239
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	397645 Monitoring well/observation/piez PLUGGED 0 0 0 http://chasm.kgs.ku.edu/ords/wy	Completion Date: Well Depth: Static Depth to Water: Driller:	22-N 19 8.91 Asso	e's Apco ov-2006 ciated Environmental, Inc.
N83 WNW 1/2 - 1 Mile Higher			KS WELLS	KS9000000187236
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	397642 Monitoring well/observation/piez PLUGGED 0 0 0 http://chasm.kgs.ku.edu/ords/ww	Completion Date: Well Depth: Static Depth to Water: Driller:	22-N 16 7.1 Asso	e's Apco ov-2006 ciated Environmental, Inc.
N84 WNW 1/2 - 1 Mile Higher			KS WELLS	KS900000034693
Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL:	35297 Monitoring well/observation/piez CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/wv	Completion Date: Well Depth: Static Depth to Water: Driller:	02-Ju 15 12.7 JB E	e's Apco ul-1992 nvironmental Drilling

Map ID Direction				
Distance Elevation			Database	EDR ID Number
O85 South 1/2 - 1 Mile Higher			KS WELLS	KS900000034718
Well ID: Well Use: Status:	35322 Monitoring well/observation/p CONSTRUCTED	Owner: biezometer Completion Date:		pic Car Wash In-1994
DWR #:	0	Well Depth:	15	
Elevation: Est Yield: URL:	0 0 http://chasm.kgs.ku.edu/ords	Static Depth to Water: Driller: /wwc5.wwc5d2.well_details?well_		an Ebberts Drilling
O86 South 1/2 - 1 Mile Higher			KS WELLS	KS900000034719
Well ID:	35323	Owner:	Carl's	Gas Service
Well Use: Status:	Monitoring well/observation/p CONSTRUCTED	viezometer Completion Date:	20 10	ın-1994
DWR #:	0	Well Depth:	20-Ju 15	11-1994
Elevation:	0	Static Depth to Water:	4.13	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords	Driller: /wwc5.wwc5d2.well_details?well_		an Ebberts Drilling
O87 South 1/2 - 1 Mile Higher			KS WELLS	KS900000034720
Well ID:	35324	Owner:	Carl's	Gas Service
Well Use: Status:	Monitoring well/observation/p CONSTRUCTED	Completion Date:	20-Ju	ın-1994
DWR #:	0	Well Depth:	17	
Elevation:	0 0	Static Depth to Water: Driller:	5.49	on Ebborto Drilling
Est Yield: URL:	-	/wwc5.wwc5d2.well_details?well_	-	an Ebberts Drilling
O88 South 1/2 - 1 Mile Higher			KS WELLS	KS900000034715
Well ID: Well Use:	35319 Monitoring well/observation/r	Owner:	Olym	pic Car Wash
Status:	Monitoring well/observation/p CONSTRUCTED	Completion Date:	20-Ju	ın-1994
DWR #:	0	Well Depth:	15	
Elevation:	0	Static Depth to Water:	10.16	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords	Driller: /wwc5.wwc5d2.well_details?well_		an Ebberts Drilling

Distance Elevation			Database	EDR ID Number
O89 South 1/2 - 1 Mile Higher			KS WELLS	S KS900000034716
Well ID: Well Use:	35320 Monitoring well/observation/pie	Owner:	С	ity of Leavenworth
Status:	CONSTRUCTED	Completion Date:		1-Jun-1994
DWR #: Elevation:	0 0	Well Depth: Static Depth to Water:	20 6.	.68
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords/w	Driller: wc5.wwc5d2.well_details?well_		rogan Ebberts Drilling
O90 South 1/2 - 1 Mile Higher			KS WELLS	S KS900000034717
Well ID:	35321	Owner:	С	ity of Leavenworth
Well Use: Status:	Monitoring well/observation/pie CONSTRUCTED	zometer Completion Date:	2.	1-Jun-1994
DWR #:	0	Well Depth:	20	
Elevation: Est Yield:	0 0	Static Depth to Water: Driller:		1.04 rogan Ebberts Drilling
URL:	http://chasm.kgs.ku.edu/ords/w			Togan Ebberts Drining
			<u>-</u> u=00021	
O91 South 1/2 - 1 Mile Higher			KS WELLS	S KS900000034721
South 1/2 - 1 Mile Higher Well ID:	35325	Owner:	KS WELLS	S KS900000034721 arl's Gas Service
South 1/2 - 1 Mile Higher Well ID: Well Use:	35325 Monitoring well/observation/pie	Owner: zometer	KS WELLS	arl's Gas Service
South 1/2 - 1 Mile Higher Well ID:	35325 Monitoring well/observation/pie CONSTRUCTED	Owner: zometer Completion Date:	KS WELLS C	arl's Gas Service D-Jun-1994
South 1/2 - 1 Mile Higher Well ID: Well Use: Status:	35325 Monitoring well/observation/pie	Owner: zometer	KS WELLS	arl's Gas Service)-Jun-1994 ₆
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0	Owner: zometer Completion Date: Well Depth:	KS WELLS C 20 10 4. G	arl's Gas Service)-Jun-1994 ₆
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0	Owner: zometer Completion Date: Well Depth: Static Depth to Water: Driller:	KS WELLS C 20 10 4. G	arl's Gas Service D-Jun-1994 6 rogan Ebberts Drilling
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 092 South 1/2 - 1 Mile Higher Well ID:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w	Owner: zometer Completion Date: Well Depth: Static Depth to Water: Driller: wc5.wwc5d2.well_details?well_	KS WELLS C 20 16 4. g jid=35325 KS WELLS	arl's Gas Service D-Jun-1994 6 rogan Ebberts Drilling
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 092 South 1/2 - 1 Mile Higher Well ID: Well ID: Well Use:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w 106423 Monitoring well/observation/pie	Owner: zometer Completion Date: Well Depth: Static Depth to Water: Driller: wc5.wwc5d2.well_details?well_ Owner: zometer	KS WELLS C 20 16 4. g jid=35325 KS WELLS	arl's Gas Service D-Jun-1994 6 rogan Ebberts Drilling S KS900000103956 eavenworth Plaza
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 092 South 1/2 - 1 Mile Higher Well ID:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w	Owner: zometer Completion Date: Well Depth: Static Depth to Water: Driller: wc5.wwc5d2.well_details?well_	KS WELLS C 20 16 4. g jid=35325 KS WELLS	arl's Gas Service D-Jun-1994 6 rogan Ebberts Drilling S KS900000103956 eavenworth Plaza 3-Apr-1996
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 092 South 1/2 - 1 Mile Higher Well ID: Well Use: Status:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w 106423 Monitoring well/observation/pie PLUGGED 0 0	Owner: zometer Completion Date: Well Depth: Static Depth to Water: Driller: wc5.wwc5d2.well_details?well_ owner: zometer Completion Date: Well Depth: Static Depth to Water:	KS WELLS C 2(16 4. g id=35325 KS WELLS L6 03 2(4.	arl's Gas Service D-Jun-1994 6 rogan Ebberts Drilling S KS900000103956 eavenworth Plaza 3-Apr-1996
South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 092 South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #:	35325 Monitoring well/observation/pie CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords/w 106423 Monitoring well/observation/pie PLUGGED 0 0	Owner: zometer Completion Date: Well Depth: Static Depth to Water: Driller: wc5.wwc5d2.well_details?well_ owner: zometer Completion Date: Well Depth:	KS WELLS C 20 16 4. id=35325 KS WELLS C 00 20 4.	arl's Gas Service D-Jun-1994 6 rogan Ebberts Drilling S KS900000103956 eavenworth Plaza 3-Apr-1996

Direction				
Distance Elevation			Database	EDR ID Number
093 South 1/2 - 1 Mile Higher			KS WELLS	KS9000000184336
Well ID: Well Use: Status:	392008 Monitoring well/observation/p CONSTRUCTED			, Fred/Carl's Gas Service
DWR #:	0	Completion Date: Well Depth:	13-50	ıl-2006
Elevation:	0 0	Static Depth to Water: Driller:	6.41	ciated Environmental, Inc.
Est Yield: URL:	-	/wwc5.wwc5d2.well_details?well_		cialed Environmental, inc.
O94 South 1/2 - 1 Mile Higher			KS WELLS	KS9000000184337
Well ID: Well Use:	392009 Monitoring well/observation/p	Owner: iezometer	Zoch	, Fred/Carl's Gas Service
Status:	CONSTRUCTED	Completion Date:		ıl-2006
DWR #: Elevation:	0 0	Well Depth: Static Depth to Water:	20 7.65	
Est Yield: URL:	0	Driller: /wwc5.wwc5d2.well_details?well_	Asso	ciated Environmental, Inc.
O95 South				
1/2 - 1 Mile Higher			KS WELLS	KS900000090883
Higher Well ID:	93049	Owner:		KS900000090883 pic Car Wash
Higher Well ID: Well Use: Status: DWR #: Elevation:	Monitoring well/observation/p CONSTRUCTED 0 0	iezometer Completion Date: Well Depth: Static Depth to Water:	Olym 21-Ju 15.5 9.23	pic Car Wash ın-1994
Higher Well ID: Well Use: Status: DWR #:	Monitoring well/observation/p CONSTRUCTED 0 0 0 0	iezometer Completion Date: Well Depth:	Olym 21-Ju 15.5 9.23 Grog	pic Car Wash
Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield:	Monitoring well/observation/p CONSTRUCTED 0 0 0 0	iezometer Completion Date: Well Depth: Static Depth to Water: Driller:	Olym 21-Ju 15.5 9.23 Grog	pic Car Wash ın-1994
Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 096 South 1/2 - 1 Mile	Monitoring well/observation/p CONSTRUCTED 0 0 http://chasm.kgs.ku.edu/ords 93262 Monitoring well/observation/p	iezometer Completion Date: Well Depth: Static Depth to Water: Driller: /wwc5.wwc5d2.well_details?well_	Olym 21-Ju 15.5 9.23 Grog id=93049 KS WELLS	pic Car Wash ın-1994 an Ebberts Drilling
Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 096 South 1/2 - 1 Mile Higher Well ID: Well Use: Status:	Monitoring well/observation/p CONSTRUCTED 0 0 http://chasm.kgs.ku.edu/ords 93262 Monitoring well/observation/p CONSTRUCTED	iezometer Completion Date: Well Depth: Static Depth to Water: Driller: /wwc5.wwc5d2.well_details?well_ ///////////////////////////////////	Olym 21-Ju 15.5 9.23 Grog id=93049 KS WELLS Leave 07-Ju	pic Car Wash In-1994 an Ebberts Drilling KS900000091091
Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: 096 South 1/2 - 1 Mile Higher Well ID: Well Use:	Monitoring well/observation/p CONSTRUCTED 0 0 http://chasm.kgs.ku.edu/ords 93262 Monitoring well/observation/p	iezometer Completion Date: Well Depth: Static Depth to Water: Driller: /wwc5.wwc5d2.well_details?well_ Owner: iezometer	Olym 21-Ju 15.5 9.23 Grog id=93049 KS WELLS Leave	pic Car Wash In-1994 an Ebberts Drilling KS900000091091 enworth Plaza
Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: O96 South 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #:	Monitoring well/observation/p CONSTRUCTED 0 0 0 http://chasm.kgs.ku.edu/ords 93262 Monitoring well/observation/p CONSTRUCTED 0 0 0	iezometer Completion Date: Well Depth: Static Depth to Water: Driller: /wwc5.wwc5d2.well_details?well_ ///////////////////////////////////	Olym 21-Ju 15.5 9.23 Grog. id=93049 KS WELLS Leave 07-Ju 20 8 Grog.	pic Car Wash In-1994 an Ebberts Drilling KS900000091091 enworth Plaza

Map ID Direction				
Distance Elevation			Database	EDR ID Number
O97 South 1/2 - 1 Mile Higher			KS WELLS	KS9000000103683
Well ID: Well Use:	106140	Owner:	Carl's	s Gas Service
Status:	Monitoring well/observation/piezo	Completion Date:		pr-1996
DWR #: Elevation:	0 0	Well Depth: Static Depth to Water:	20 8.15	
Est Yield:	0		0.10	
Driller: URL:	Charles W. Roberts Environment http://chasm.kgs.ku.edu/ords/ww		_id=106140	
98 West 1/2 - 1 Mile Higher			KS WELLS	KS9000000121632
Well ID:	305424	Owner:	Youn	g, Chris
Well Use:	(unstated)/abandoned	Status:	PLUC	GGED
Completion Date: Well Depth:	09-Jun-1999 3	DWR #: Elevation:	0 0	
Static Depth to Water:	0	Est Yield:	0	
Driller: URL:	Young, Christopher http://chasm.kgs.ku.edu/ords/ww			
P99 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000146502
Well ID:	332181	Owner:	BMD	Properties, LLC
Well Use: Status:	Monitoring well/observation/piezo	Completion Date:	11-S	ep-2002
DWR #:	0	Well Depth:	15	
Elevation:	820	Static Depth to Water: Driller:	6.19	Chata Camiana Ina
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords/ww			I State Services, Inc.
P100 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000146503
Well ID:	332183	Owner:	BMD	Properties, LLC
Well Use:	Monitoring well/observation/piezo			0000
Status: DWR #:	CONSTRUCTED 0	Completion Date: Well Depth:	11-So 15	ep-2002
Elevation:	820	Static Depth to Water:	5.8	
Est Yield:	0	Driller:		State Services, Inc.
URL:	http://chasm.kgs.ku.edu/ords/ww	c5.wwc5d2.well_details?well_	_id=332183	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
P101 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000149650
Well ID:	335744	Owner:	BMD	Properties, LLC
Well Use: Status:	Monitoring well/observation/p CONSTRUCTED	iezometer Completion Date:	11-Se	ep-2002
DWR #:	0	Well Depth:	15	5p 2002
Elevation:	820	Static Depth to Water:	3.42	
Est Yield: URL:	0 http://chasm.kgs.ku.edu/ords,	Driller: wwc5.wwc5d2.well_details?well_		State Services, Inc.
102 NNW 1/2 - 1 Mile Higher			KS WELLS	KS9000000160102
Well ID:	347406	Owner:	Geiae	er Ready Mix Co, Inc.
Well Use:	Industrial	Status:		GED
Completion Date:	21-May-2004	DWR #:	0	
Well Depth:	0	Elevation:	0	
Otatia Danih ta Matan	0			
Static Depth to Water: Driller:	0 Jesse Yoakum Well Drilling	Est Yield:	0	
Static Depth to Water: Driller: URL:	Jesse Yoakum Well Drilling		0	
Driller:	Jesse Yoakum Well Drilling	Est Yield:	0	KS900000034723
Driller: URL: Q103 SSE 1/2 - 1 Mile	Jesse Yoakum Well Drilling	Est Yield:	0 _id=347406 KS WELLS	KS900000034723
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well USe:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords, 35327 Monitoring well/observation/p	Est Yield: wwc5.wwc5d2.well_details?well_ Owner: iezometer	0 _id=347406 KS WELLS Block	and Company
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords, 35327 Monitoring well/observation/p CONSTRUCTED	Est Yield: wwc5.wwc5d2.well_details?well_ Owner: iezometer Completion Date:	0 _id=347406 KS WELLS Block 04-Ja	
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords, 35327 Monitoring well/observation/p CONSTRUCTED 0	Est Yield: wwc5.wwc5d2.well_details?well_ Owner: iezometer Completion Date: Well Depth:	0 _id=347406 KS WELLS Block 04-Ja 23.4	and Company
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords, 35327 Monitoring well/observation/p CONSTRUCTED	Est Yield: wwc5.wwc5d2.well_details?well_ Owner: iezometer Completion Date:	0 _id=347406 KS WELLS Block 04-Ja 23.4 7.15	and Company
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords. 35327 Monitoring well/observation/p CONSTRUCTED 0 799.71 0	Est Yield: wwc5.wwc5d2.well_details?well_ owner: iezometer Completion Date: Well Depth: Static Depth to Water:	0 _id=347406 KS WELLS Block 04-Ja 23.4 7.15 Terra	and Company In-1990
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords. 35327 Monitoring well/observation/p CONSTRUCTED 0 799.71 0	Est Yield: wwc5.wwc5d2.well_details?well_ owner: iezometer Completion Date: Well Depth: Static Depth to Water: Driller:	0 _id=347406 KS WELLS Block 04-Ja 23.4 7.15 Terra	and Company In-1990
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: Q104 SSE 1/2 - 1 Mile Higher Well ID:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords. 35327 Monitoring well/observation/p CONSTRUCTED 0 799.71 0 http://chasm.kgs.ku.edu/ords.	Est Yield: wwc5.wwc5d2.well_details?well_ iezometer Completion Date: Well Depth: Static Depth to Water: Driller: wwc5.wwc5d2.well_details?well_	0 _id=347406 KS WELLS Block 04-Ja 23.4 7.15 Terra id=35327 KS WELLS	and Company In-1990 con Consultants, Inc.
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: Q104 SSE 1/2 - 1 Mile Higher Well ID: Well	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords. 35327 Monitoring well/observation/p CONSTRUCTED 0 799.71 0 http://chasm.kgs.ku.edu/ords. 35326 Monitoring well/observation/p	Est Yield: wwc5.wwc5d2.well_details?well_ iezometer Completion Date: Well Depth: Static Depth to Water: Driller: wwc5.wwc5d2.well_details?well_ Owner: iezometer	0 _id=347406 KS WELLS Block 04-Ja 23.4 7.15 Terra id=35327 KS WELLS Block	and Company In-1990 Con Consultants, Inc. KS900000034722
Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: Q104 SSE 1/2 - 1 Mile Higher Well ID: Well ID: Well ID: Status: Status: URL:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords. 35327 Monitoring well/observation/p CONSTRUCTED 0 799.71 0 http://chasm.kgs.ku.edu/ords. 35326 Monitoring well/observation/p CONSTRUCTED	Est Yield: wwc5.wwc5d2.well_details?well_ iezometer Completion Date: Well Depth: Static Depth to Water: Driller: wwc5.wwc5d2.well_details?well_ Owner: iezometer Completion Date:	0 id=347406 KS WELLS Block 04-Ja 23.4 7.15 Terra id=35327 KS WELLS Block 04-Ja	and Company In-1990 con Consultants, Inc.
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Driller: URL: Q103 SSE 1/2 - 1 Mile Higher Well ID: Well Use: Status: DWR #: Elevation: Est Yield: URL: Q104 SSE 1/2 - 1 Mile Higher Well ID: Well ID: Well ID: Status: Status: URL:	Jesse Yoakum Well Drilling http://chasm.kgs.ku.edu/ords, 35327 Monitoring well/observation/p CONSTRUCTED 0 799.71 0 http://chasm.kgs.ku.edu/ords, 35326 Monitoring well/observation/p CONSTRUCTED 0 800.52 0	Est Yield: wwc5.wwc5d2.well_details?well_ iezometer Completion Date: Well Depth: Static Depth to Water: Driller: wwc5.wwc5d2.well_details?well_ Owner: iezometer Completion Date:	0 id=347406 KS WELLS Block 04-Ja 23.4 7.15 Terra id=35327 KS WELLS Block 04-Ja 23.4 7.15 Terra id=35327	and Company In-1990 Con Consultants, Inc. KS900000034722

Map ID Direction Distance Elevation			Database	EDR ID Number
Q105 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000034724
Well ID:	35328	Owner:	Block	and Company
Well Use:	Monitoring well/observation/	/piezometer		
Status:	CONSTRUCTED	Completion Date:	04-Ja	an-1990
DWR #:	0	Well Depth:	23	
Elevation:	799.33	Static Depth to Water:	6.39	
Est Yield:	0	Driller:		acon Consultants, Inc.
URL:	http://chasm.kgs.ku.edu/ord	s/wwc5.wwc5d2.well_details?well_	id=35328	
Q106 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000034726
Well ID:	35330	Owner:	Block	and Company
Well Use:	Monitoring well/observation/	/piezometer		
Status:	CONSTRUCTED	Completion Date:	03-Ja	an-1990
DWR #:	0	Well Depth:	24.4	
Elevation:	802.04	Static Depth to Water:	8.11	
Est Yield:	0	Driller:		acon Consultants, Inc.
URL:	http://chasm.kgs.ku.edu/ord	s/wwc5.wwc5d2.well_details?well_	id=35330	
Q107 SSE 1/2 - 1 Mile Higher			KS WELLS	KS900000034725
Well ID:	35329	Owner:	Block	and Company
Well Use:	Monitoring well/observation/		Diool	cana bompany
Status:	CONSTRUCTED	Completion Date:	051	an-1990
DWR #:	0	Well Depth:	13.5	
Elevation:	803.95	Static Depth to Water:	2.17	
Est Yield:	0	Driller:		acon Consultants, Inc.
URL:	-	s/wwc5.wwc5d2.well_details?well_		,
	· •			

Map ID
Direction
Distance

Database

OIL_GAS

EDR ID Number

KSOG12000140936

1 NNE 1/2 - 1 Mile

API Well #: 21083 Horizontal Leg and Workover #: Not Reported Field ID: 0 Well #: 2 KAW CORP. Original Well Operator: Well Depth (ft): 0 Spud Date: 0 Completion Date: 0 Bushing Elevation: 0 Derrick Floor Elevation: 0

Well Type:
Field Name:
Lease Name:
Well Class:
Curr Operator ID:
Status:
Permit Date:
Plug Date:
Surface Elevation:
Producing Formation:

Oil Not Reported Kaw Corp Approved Intent to Drill 0 Produced oil. 198812 9 0 0 Not Reported

AREA RADON INFORMATION

State Database: KS Radon

Radon Test Results

Zipcode	Avg Radon	Max Radon	Num Tests
66048	4.4	62.0	362

Federal EPA Radon Zone for LEAVENWORTH County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L. : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 66048

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.875 pCi/L	75%	25%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.307 pCi/L	86%	14%	0%

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Kansas Water Well Completion Records Database Source: Kansas Geological Survey Telephone: 913-864-3965

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Location Database Listing Source: Kansas Geological Survey Telephone: 785-864-3965

RADON

State Database: KS Radon Source: Department of Health & Environment Telephone: 785-296-1500 Kansas Indoor Radon Measurements

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix D

Agency Documentation

Leavenworth County, KS Property Report Card Parcel Number: 1010104002003020 Quick Ref ID: R10334

Owner Name FOUR D COMPANY LLC

Property Address: 2107 S 4TH ST, Leavenworth, KS 66048

Owner Address: 5300 SPEAKER RD KANSAS CITY, KS 66106

School District: USD453

Sq. Ft.: Acres: 4.0 Ac.

Tax Unit: 1.00

Legal Description: LT 1 BALLS SUB RPLT LESS TR BEG NW COR LT 2, N10'(S), E147.7', S160'(S), W30', N100'(S), W20'(S), N50'(S), W TO POB

Section: 1	Block
Township: 9	Lot: 0
Range: 22E	Sub Lot Range:

Plat: B47 Subdivision Plat: BALL'S SUB REPLAT

τ.			bbe Acrobat Reader, Click <u>her</u>											
			v Sketch Back to Sea											
	The Parcel		Property is 052-101-0 ck Ref ID: 10334	1-0-40-02-003.02-0										
Owner Information														
Owner Name	FOU	JR D COMPANY LLC												
Address	530	0 SPEAKER RD KANS	SAS CITY, KS 66106											
		Prope	erty Situs Address											
Address	2107 S 4TH	ST, Leavenworth, K	S 66048											
		Land Base	d Classification Syste	m										
Function		Grocery store / sup	ermarket											
Activity		Goods-oriented sho	pping											
Ownership		Private-fee simple												
Site		Developed site - wi	th buildings											
Prop Class		General	Property Information											
Living Units														
Zoning														
Neighborhood			161.0											
Tax Unit Group			001											
		Pr	operty Factors											
Topography			Level - 1											
Utilities			All Public - 1											
Access			Paved Road - 1											
Fronting			Major Strip or CBD - 1	1										
Location			Major Strip - 4											
Parking Type			Off Street - 1											
Parking Quantity			Adequate - 2											
Parking Proximity Parking Covered			On Site - 3											
Parking Covered Parking Uncovered														
- anning oncovered		2019	Appraised Value											
	Class		Land	Building	Total									
Commercial & Industria	l - C		972,840	1,274,160	2,247,00									
Total			972,840	1,274,160	2,247,00									

We have updated our Privacy Statement. Before you continue, please read our new Privacy Statement and familiarize yourself with the terms.

Detail Information

	1 012 120	1 222 070	2 2 4 7 9 9 9
lotal	1,013,130	1,233,870	2,247,000
, ·			

Tract Description

BALL'S SUB REPLAT, S01, T09, R22E, ACRES 4.02, LT 1 BALLS SUB RPLT LESS TR BEG NW COR LT 2, N10'(S), E147.7', S160'(S), W30', N100'(S), W20'(S), N50'(S), W TO POB Plat Book/Page 12 /16 Deed Book/Page 0689/0729 0656/1409 0640/0804 0640/0803 0640/0558 0640/0556 0640/0555 0586/1967 0586/1592 0586/0771

Building Permit Information

Permit Number	Amount	Issue Date	Description
3693	80,000	11/27/2017	OTHER-SEE COMMENT
3589	1	11/9/2017	OTHER-SEE COMMENT
24546	8,000	3/2/2009	
12904	10,000	6/1/1995	

Deed Information

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4
0689	0729	0656	1409	0640	0804	0640	0803

Market Land Information

Method	Туре	AC/SF	Eff FF	Depth	D-Fact	Inf1	Fact1	Inf2	Fact2	Ovrd	Class	Value Est
Sqft	Primary Site - 1	176452										972,840

General Commercial Building Information

General Building Information											
LBCS Structure Code	Supermarket										
Bldg No.	1										
Building Name	PRICE CHOPPER										
Identical units											
No. of Units	2										
Unit Type											
MS Mult											
MS Zip											

Apartment Data											
	1	2	3	4	5	6	7	8			
Units											
BR Type											
Baths											

		Commercial Building Sections & Basements																	
	Sec	Occupancy	MSCIs	Rank	Yr Blt	Eff Yr	Levels	Stories	Area	Perim	Hgt	Phys	Func	Econ	OVR%	Rsn	Inc Use	Net Area	Cls
	1	Supermarket	C	2.00	1990		01/01		49,780	930	20	3	3				033		
	2	Supermarket	C	2.00	1990		01/01		1,250	100	10	3	3				034		
1																			
	Commercial Building Section Components																		

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8/6/2019

Detail Information

519								Dei	an inii	ormau	on									
1 Porch, O	oen Slab								338	2										
1 Canopy,	Retail Wo	ood Fra	me						39	2										
1 Loading	Dock, Co	ncrete							376	6										
1 Dock Lev	elers, Hy	/draulio	2						3											
2 Warmed	and Coo	led Air									100									
2 Concrete	2 Concrete, Tilt-up																			
						Othe	er Buil	ding Ir	ling Improvements											
Id Occupancy	MSCIs	Rank	Qty	Yr Blt	Eff Yr							Stories	Phys	Func	Econ	OVR%	Rsn	С		
67 Site Improvements	С	2.00	1	1990			10		8			1	3	3						
68 Site Improvements	с	2.00	1	1990			10		8		270 X 6	1	3	3						
69 Site Improvements	с	2.00	1	1990			10		8			1	3	3						
70 Site Improvements	С	2.00	1	1990			10		8			1	3	3						
					Oth	er Buil	ding I	mprov	emen	t Cor	nponen	ts						=		
Id Code								Units			Pct	Size	Othe	r	Ran	k ľ	Year	_		
67 Paving, Asp	halt w/B	ase							106	,050										
68 Fence, Chai	68 Fence, Chain Link											10								
69 Pole Light, 1	ncandes	cent 24	1 ft.							9		10								
70 Storage Bld	g, Steel								3	,542		10						_		
				inks M	av R	equire	Adobe	Acroba		542								_		

Parcel Search powered by



ENVIRONMENTAL ASSESSMENT - PHASE II Proposed supermarket site Leavenworth, Kansas

PROJECT NO. 50895161

DECEMBER 26, 1989

lerracon

December 26, 1989

Mr. Bill White Four B Corporation 5300 Speaker Road Kansas City, Kansas 66106

> RE: Environmental Assessment - Phase II Proposed Supermarket Site Leavenworth, Kansas Project No. 50895161

ENVIRONMENTAL, INC.

James A. Cumningham, PL. John F. Hartwell, PE. Robert L. Shokir

Stephen F Loosbrock Robert L. Fine II

David M Beem, CIH

Thomas E Harvey

Michael S Kukuk

Kansas City, Missouri 64190-0541

7810 N W 1000 PO Box 901541

(816) 891-7717

Dear Mr. White:

Enclosed herein is Terracon Environmental's report on the shallow soils and groundwater assessment performed at the proposed Supermarket site located in Leavenworth, Kansas. This limited intrusive assessment was performed as a result of information obtained during a previous Phase I assessment of the site. The primary focus of this work was to assess subsurface conditions to help determine whether potential off-site contaminant sources may have adversely impacted the area of study.

We appreciate the opportunity to be of service to Four B Corporation on this project. If there are any questions concerning this report, or if we may be of further service to you, please do not hesitate to contact us at 816/891-7717.

Sincerely,

TERRACON ENVIRONMENTAL, INC.

Minda a. Tumbleson

Melinda A. Tumbleson Project Geologist

B.but R.

Robert L. Fine II Project Manager

MAT/RLF:ro MT(28)B3

Offices of Terracon Companies:

Colorado: Ft. Collins I Iowa: Cedar Falls, Cedar Rapids, Davenport, Des Moines, Storm Lake I Illinois: Bloomington, Naperville, Rock Island Kansas: Lenexa, (Greater Kansas City), Topeka, Wichita II Minnesota: St Paul II Missouri. Kansas City II Nebraska: Omaha Oklahoma: Oklahoma City, Tulsa

Environmental Engineers and Scientists

Terracon

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	2.1	Gen	eral	A	rea	۱.	• •	•	••		•0	• •		•••	٠	••	•		•	••	•	• •	• •	•	•	• •		•	• •	•	2
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FIGURES

Figure 1. Well Location Diagram Figure 2. Monitor Well Design

APPENDICES

Appendix I Boring Logs Appendix II Analytical Data

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ENVIRONMENTAL ASSESSMENT - PHASE II PROPOSED SUPERMARKET SITE LEAVENWORTH, KANSAS PROJECT NO. 50895161

1.0 INTRODUCTION

1.1 Background

This report presents the results of an intrusive environmental assessment of the tract of land located at the northeast corner of 4th and Marion Street in Leavenworth, Kansas. The assessment was completed in accordance with our proposal dated November 14, 1989.

1.2 Project Objective and Scope of Services

Information obtained during a Phase I environmental assessment of the subject property revealed that potential contaminant sources exist to the north, east and southeast of the site. As such, the intrusive assessment activities were designed to assess for potential shallow soil and groundwater contamination on the site as a result of possible migration from these off-site sources. The scope of work for this assessment included the following activities:

- installation of six groundwater monitor wells located along the perimeter of the property;
- field characterization of soil samples collected from each of the six monitor well boring locations;
- laboratory analysis of shallow soil samples collected from two monitor well boring locations;
 - Iaboratory analysis of groundwater collected from the monitor well locations;
 - collection of three discrete shallow soil samples along the east property line for total petroleum hydrocarbon and lead analysis; and,
 - ^o a final report detailing the work performed and summarizing the results.

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2.0 SITE DESCRIPTION

Two houses, a furniture store and two small sheds are located on the site. However, the subject property is primarily undeveloped with a majority of the site being tree and grass covered. An unimproved road, referred to as Third Street, runs through the center of the site allowing access to properties to the north. An abandoned railroad line is evident running along the east side of Third Street. Attached as Figure 1 is a site diagram.

The property slopes very gradually from the west to the east with approximately a six foot drop in elevation across the site. Surface drainage is generally to the east toward Five Mile Creek. Where the site is divided by 3rd Street, drainage is directed south toward Marion Street.

2.1 General Area

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Adjacent properties to the north of the site include Great Western Manufacturing, GNB Batteries, and the Leavenworth Service Center (former landfill). Property to the east and the southeast is occupied by an auto salvage yard, and automobile repair shops are located south of the property. To the west of the site, across Fourth Street, are light commercial and residential properties. A more detailed discussion of the surrounding area, including a review of historical site ownership, environmental regulatory correspondence and site photographs are contained in the initial Phase I assessment report issued on October 27, 1989.

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3.0 SOILS EXPLORATION

Based on the information obtained during the Phase I assessment of the property regarding potential off-site contaminant sources, Terracon Environmental conducted a limited scope soils exploration along the east property line and near the northeast corner of the site. This was performed in an effort to identify possible lead and/or petroleum contamination. As was reported in the Phase I assessment dated October 27, 1989, it is Terracon's understanding that underground fuel storage tanks on the Leavenworth Service Center property previously leaked an undetermined amount of gasoline. For this reason, and due to the long history of auto salvage activities east of the property, the soils exploration was conducted in this area.

3.1 Shallow Soils Sampling and Analysis

Three discrete shallow soil samples were collected on November 20, 1989, near what is considered the eastern property line. The samples were collected from a depth of approximately 2 feet below surface at three discrete locations along the east side of the fence bordering the auto salvage yard.

The samples were collected using a hand auger sampler which was cleaned with an Alconox detergent wash and rinse between borings to help prevent cross contamination. Laboratory analysis did not reveal total petroleum hydrocarbon levels in either of the three samples above a detection limit of 50 parts per million (ppm). Total lead was detected at concentrations of approximately 20 ppm in each of the three samples. Typical backgound levels for lead

in this area are between 15 and 70 ppm¹; therefore, these concentrations can be considered in the typically observed range.

3.2 MW-3 and MW-4 Soils Sampling and Analysis

In an effort to identify shallow petroleum hydrocarbon contamination near the location of the underground fuel storage tanks on the Leavenworth Service Center property, soil samples were collected from the MW-3 and MW-4 boring locations. A discrete soil sample was collected from each boring at the 3 foot below surface depth and submitted to the laboratory for total petroleum hydrocarbon (TPH) analysis.

The results indicate TPH at a concentation of 140 ppm in the 3 foot depth sample from MW-3, and 260 ppm in the 3 foot depth sample from MW-4. These elevated levels in the shallow soils may be the result of previous gasoline spillage associated with fuel loading practices, and in part may be attributed to degradation of organic matter contained in the fill material in this boring. It is important to note that no volatile organic constituents of gasoline (i.e. benzene, toluene, and ethylbenzene) were detected in a previous composite soil sample collected from this area during the Phase I assessment. Also, the results of the groundwater sample collected from MW-3 and MW-4 did not detect the presence of benzene, toluene or xylene. Although the concentrations of TPH detected in the 3 foot soil samples from MW-3 and MW-4 are above what would be considered typical background concentrations, an evaluation of all the data does not suggest that this is indicative of a serious or widespread environmental concern.

Jon J. Connor and Hansford T. Shacklette, <u>Background</u> <u>Geochemistry of Some Rocks, Soils, Plants and Vegetables in</u> the Conterminuous United States, (Washington, 1975) p. F84.

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4.0 GROUNDWATER EXPLORATION

To assess groundwater quality at the site, Terracon conducted an intrusive exploration along the perimeter of the property. The intrusive assessment consisted of the drilling and installation of six monitor wells along the perimeter of the site to better determine whether potential off-site contaminant sources may have impacted the subject property. Three wells were installed along the north property line, two wells were installed along the east property line and one well was installed near the southwest corner of the property. See Figure 1 for monitor well locations.

4.1 Drilling Activities

Terracon Environmental installed six groundwater monitor wells at the site on November 20 and 21, 1989. Field operations for the drilling phase of the monitor well installation was performed by a three-man drill crew using hollow stem augers and a rotary drill rig. Prior to the exploration, the working end of the rig was detergent washed using a high pressure, hot water sprayer. During drilling, lead augers and downhole sampling equipment were cleaned between borings to reduce the potential for cross contamination.

The strata was field logged based upon visual classification. The soils encountered in the boreholes consisted primarily of clay and silty clay, with fill material noted in borings MW-3, MW-4 and MW-5. The fill material was presumably used to backfill the former Five Mile Creek channel which, prior to 1968, looped to the west of its present course and across the northeast portion of the

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property. At the time of drilling, water was observed in all six borings. In MW-1 and MW-5, water was detected at approximately 18 feet below surface. In MW-2, MW-3, MW-4 and MW-6 water was detected at approximately 13 feet below surface. Boring logs are attached as Appendix I.

4.2 Field Characterization

During drilling, soil samples were collected from each boring at approximately the 3 foot and 10 foot depth, where possible, for field screening. Samples were placed in one-quart glass jars approximately one-half full, covered with aluminum foil, and allowed to volatilize at ambient conditions for a minimum of fifteen minutes. A photoionization detector (PID) was then used to analyze air contained in the headspace of the jar for chemical contamination. The PID is an instrument used to provide field characterization for the limited quantitative identification of a broad range of organic vapors based upon a relative instrument standard.

Readings from the PID for samples across the site did not exceed 0.7 ppm, except for the 3 foot sample collected from MW-3 which registered a level of just less than 200 ppm. No sample was recovered at the 10 foot depth while drilling MW-3 due to fill material which plugged the continuous sampling equipment. The elevated headspace reading in this boring is consistent with an organic odor noted during drilling. No other elevated readings were detected with the PID during field characterization of the soils.

It is also important to note that field characterization did not reveal elevated volatiles contamination (benzene, toluene, xylene) in any of the samples collected from this general area during the previous Phase I assessment work.

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4.3 Well Installation and Development

The well materials consist of two-inch nominal diameter, Schedule 40 PVC, flush-jointed, threaded pipe. Factory slotted 0.01 inch well screen was installed at the bottom of each borehole and extended to intersect the water table based upon water levels encountered during drilling. A 15 foot section of slotted screen was used for MW-2 and MW-5, and a 20 foot section of slotted screen was used for MW-1, MW-3, MW-4 and MW-6. Solid stem PVC riser pipe was attached to each of the screened sections and extended approximately 2.5 feet above ground surface.

The borehole annulus was packed with a fine sand from the bottom of the borehole to a point approximately one foot above the slotted well screen. An approximate one to two foot thick layer of hydrated bentonite pellets was installed in the borehole annulus above the sand pack. The remaining annulus was filled to ground surface with a cement/bentonite grout mixture. Upon completion, the well heads were secured within protective metal casings which rise approximately 3 feet above ground surface, and locked with keyed-alike padlocks. Figure 2 shows a typical monitor well design. Specific well diagrams for MW-1 through MW-6 are included on the boring logs in Appendix II.

Well development was performed by Terracon Environmental personnel using individual disposable bailers. The wells were considered developed when approximately three standing water volumes were removed from each casing. Development fluids were not collected.

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4.4 Sampling Procedures and Analysis

Groundwater samples were collected from the monitor wells on November 24, 1989. The samples were obtained using individual disposable bailers and placed in preserved sample containers. The samples were cooled, packaged, and shipped via Federal Express to Continental Analytical Services in Salina, Kansas. Samples obtained from monitor wells 1 through 5 were analyzed for benzene, toluene and xylene (BTX). Additionally, samples collected from monitor wells MW-1, MW-2, MW-3 and MW-5 were analyzed for total lead.

The BTX and lead analyses were designed to identify potential migration of petroleum products and/or lead from sources to the north and east (i.e. GNB Batteries, City Maintenance Garage, Auto Salvage Yard). Samples collected from monitor wells MW-3, MW-4, MW-5 and MW-6 were subjected to a survey search for extractable compounds (semi-volatile compounds) and volatile organic compounds. This analysis is designed to identify organic compounds present as a result of former landfill activities adjacent to the site and fill material on the property. Finally, samples collected from monitor wells MW-4 and MW-6 were analyzed for the 13 priority pollutant metals. Elevated metals concentrations could be expected due to landfill and salvage yard activities, as well as other nearby industrial sites.

4.5 Analytical Results

Analytical results for MW-1, MW-2, MW-3 and MW-5 revealed no detectable concentrations of benzene, toluene, xylene or total lead. Also, results for MW-3, MW-5 and MW-6 identified no volatile or semi-volatile compounds above a detection limit of approximately 5 parts per billion (ppb).

The concentrations of metals detected in MW-6 were either at the detection limit or below detection limits. However, the analytical results for MW-4 revealed elevated levels of some metals, compared to the results for MW-6, and a concentration of 18 ppb for an unidentified semi-volatile compound found to be present during the survey search analyses. In some instances, the concentrations of metals are above those established as maximums for drinking water standards. The table below lists the metals concentrations in mg/l or part per million (ppm) for MW-4 and MW-6, and includes their respective National Drinking Water Standard.

	<u>MW-4</u>	<u>MW-6</u>	*National Drinking Water Standards
Arsenic	0.06	<0.01	0.05
Cadmium	0.97	<0.01	0.010
Chromium	0.17	<0.04	0.05
Copper	0.52	<0.05	1.0
Lead	3.0	<0.003	0.05
Nickel	0.28	<0.05	
Zinc	7.45	0.01	5.0

* Reference: 40 CFR 141 and 143

The metals results from MW-4 suggest that there has been some impact to the groundwater in this vicinity. The probable source or sources are the former landfill to the north of the site and the auto salvage yard to the east. An EPA study conducted in 1984 of the former landfill site involved analytical testing of water from nearby Five Mile Creek. (The creek runs to the east of the former landfill and the salvage yard.) Results of the EPA study found that elêvated metals concentrations were present in Five Mile Creek, and that this may be due in part to the former

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landfill, the auto salvage yard and/or other industrial properties in the area. EPA concluded in their study of 1984, that the former landfill site 'poses no threat to the surrounding environment.'

The metals concentrations detected during our assessment were found to be less than those reported by EPA during their nearby study. Although the metals concentrations from MW-4 are elevated with respect to what may be considered typical of groundwater in the area (as indicated by the analytical results from MW-6), the groundwater at this location is not utilized as a drinking water source.

5.0 SUMMARY AND CONCLUSIONS

No indication of petroleum-based contamination was detected in the shallow groundwater as a result of sampling for benzene, toluene and xylene. Additionally, the results of screening for a broad range of volatile and extractable compounds via a mass spectral survey search found nothing which would indicate a serious or widespread environmental contamination problem exists in the shallow groundwater at this site.

Analysis of shallow soils from MW-3 and MW-4 indicate that a localized area of relatively low-level petroleum hydrocarbon contamination may exist near the northeast portion of the property. However, the concentrations detected do not suggest that a serious or widespread environmental concern exists.

Based upon a review of the analytical data which has been collected by both EPA and Terracon, it appears that off-site contaminant sources may have impacted the shallow groundwater

near the northeast portion of the subject property. Elevated levels of certain metals detected in MW-4 are above National Drinking Water Standards; however, at this time the groundwater at this location is not utilized as a drinking water source. An EPA study performed in 1984, found elevated levels of aluminum, barium, copper, iron, lead magnesium, manganese, mercury, nickel and vanadium in the Five Mile Creek samples downstream of the former landfill and auto salvage yard properties. The EPA study concluded that based on the analytical results from samples collected from Five Mile Creek, no threat to the surrounding environment is expected. Terracon recommends that the monitor wells be retained at this site to provide sampling points should future groundwater monitoring be desired.

6.0 GENERAL COMMENTS

The analysis and comments presented in this final report are based upon data obtained from the shallow soil and groundwater assessment activities performed as part of the work scope, and other information collected by Terracon as described herein. Please note that this report does not reflect any variations of subsurface stratigraphy or environmental contamination which may exist between borings or across the site. Actual subsurface conditions may vary, and the extent of such variations may not become evident without further investigation. If variations appear evident, it will be necessary to reevaluate the comments contained in this report.

This report is prepared in accordance with generally accepted engineering practices within the constraints of the client's directives. The report is intended for the

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exclusive use of the client for specific application to the assessed property. No other warranty is expressed or implied.

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December 26, 1989 Proposed Supermarket Site Project No. 50895161

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FIGURES

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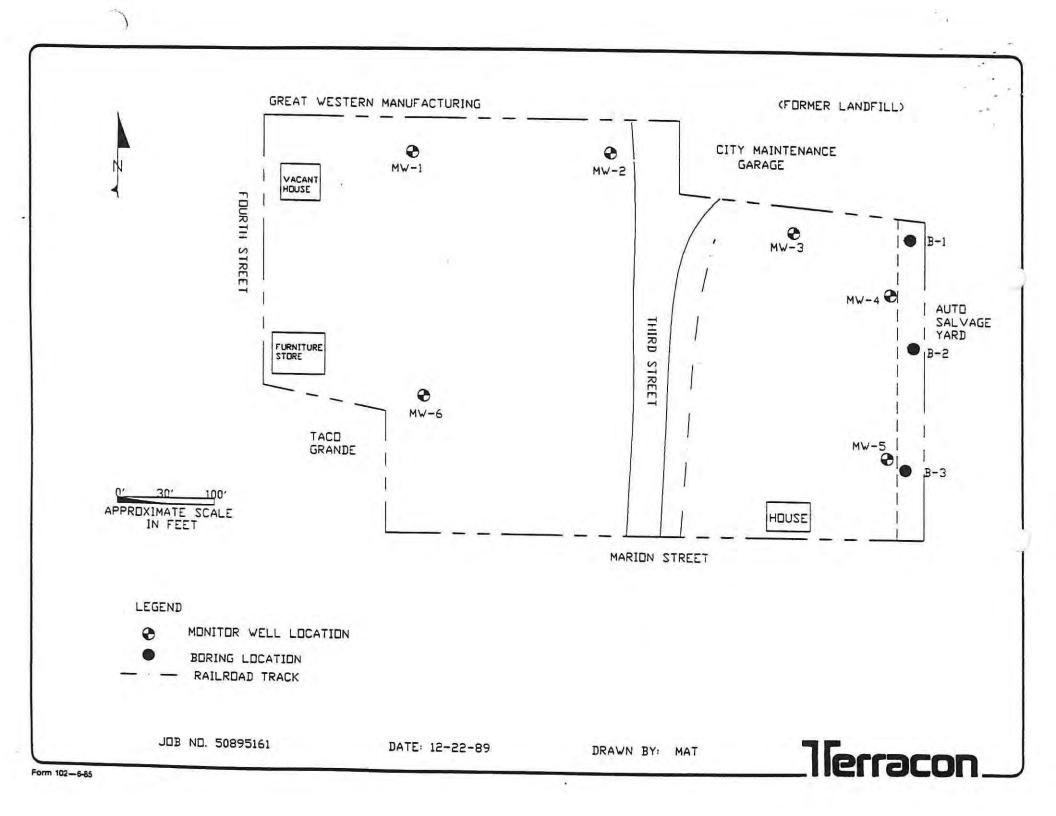
December 26, 1989 Proposed Supermarket Site Project No. 50895161

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FIGURE 1

Well Location Diagram

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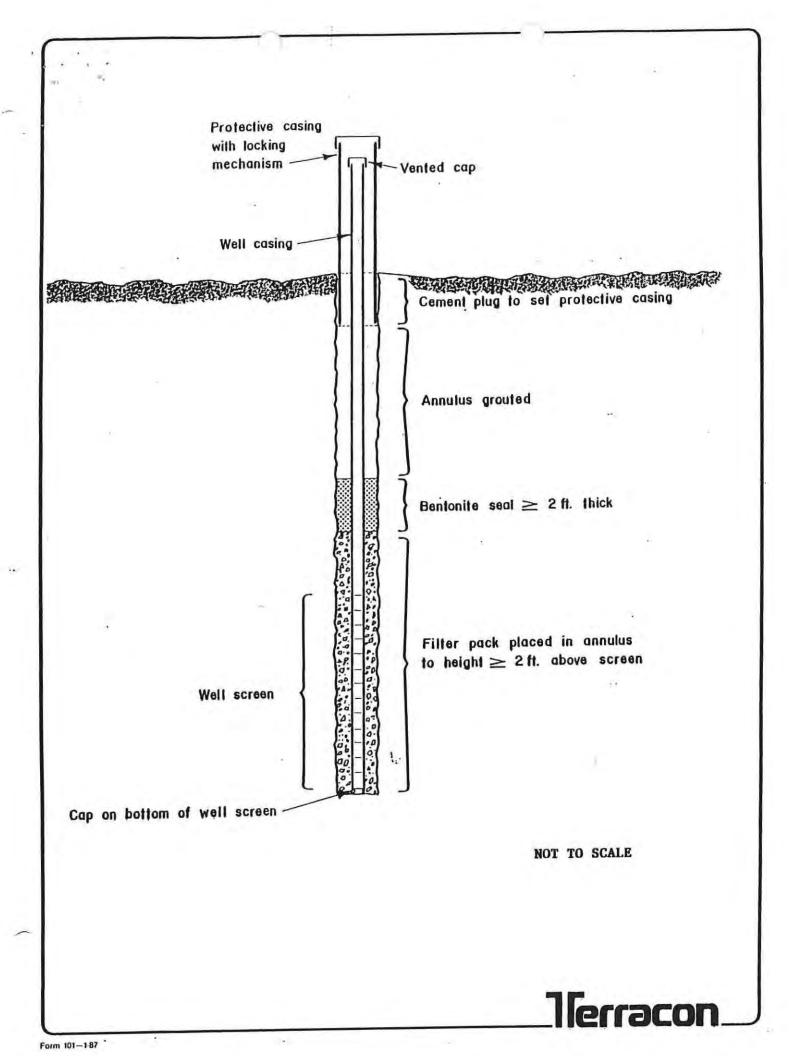
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FIGURE 2

Monitor Well Design

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APPENDIX I

Boring Logs

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OWN	VER		ARCHIT	ECT/I	INGI	NEER						
SITE	4th and Marion Leavenworth, Kansas		PROJEC	Г					arket.			
GRAPHIC LOG	DESCRIPTION TOP OF PROTECTOR PIPE: TOP OF CASING: GROUND SURFACE ELEV.:	784.9 ft ft 782.0 ft	WELL DETAIL	DEPTH (FT.)	USCS SYMBOL	SAM	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, %	FIELD UAPOR G	
	0.2 Topsoil VERY SILTY CLAY, weak thread, low plasticity, black, no odor, dry, to moist, medium to stiff, blocky very stiff at 4.8'			51111111		2		3.0				Boring advanced with 4 1/4" HSA
	SILTY CLAY, medium thread, medium plasticity, brown to yellow brown, no odor, damp, soft, blocky becoming moist, high plasticity, mottled red, black	¥		10 10 11 11 11		3		5.0				
	becoming wet at 18', soft, high plasticity, no odor becoming gray, wet, medium to stiff saturated at 22' 24.2	₽ 757.8		20		5	CS	5.0	:			
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ow	NER	ARCHIT	ECT/I	ENGI	NEER						
SIL	4th and Marion Leavenworth, Kansas	PROJEC	т			Suj	perm	arket			
		WELL			SAM	PLES	3			TESTS	
GRAPHIC LOG	DESCRIPTION TOP OF PROTECTOR PIPE: 781.87 ft TOP OF CASING: ft GROUND SURFACE ELEV.: 778.9 ft	DETAIL	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	FIELD VAPOR TESTS	
	VERY SILTY CLAY, weak		1 1111	1	ī	ĊS	1.0				Boring advance with 4 1/4" HS
	thread, low plasticity, black, no odor, dry, soft, blocky 773.4		5		2	CS	5.0				
	SILTY CLAY, medium thread, low plasticity, brown, no odor, damp, stiff to very stiff, blocky		11111		3	CS	4.3				
	becoming yellow-brown at 10' with black and red staining, medium to high plasticity wet to saturated at 13.5'		10 1 1 1		-						
	₽ becoming gray		15		4	CS	5.0				
	19.3 759.6 BOTTOM OF BORING		Ú. L.	-							
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STTE	4th and Marion Leavenworth, Kansas	PROJEC	r				-	arket			
GRAPHIC LOG	DESCRIPTION TOP OF PROTECTOR PIPE: 779.1 (1) TOP OF CASING: f1 GROUND SURFACE ELEV.: 776.0 (1)		DEPTH (FT.)	USCS SYMBOL	NUMBER	PLE:	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	FIELD VAPOR SI	
	FILL, silty clay, red-brown to brown, no odor, dry, firm, trace bricks, gravel, roots, glass		a rintra	-	Ť	ĊS	1.2		-		Boring advanc with 4 1/4" H
	olive-brown to red brown		5 11111		2	CS	1.4				
	¥		1011111		3	CS	0.0				
	black, wet, organic odor 17.0 759.0		151111		4	CS	3.0				
	SILTY CLAY, medium thread, green-brown, organic odor, wet, soft, trace sand		20	_	5	CS	: 3.1				
	24.3 becoming firm to stiff, black with yellow staining, no odor BOTTOM OF BORING		1111		_						
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-	Leavenworth, Mansas	WELL	1		SAM	PLES		-	1	ESTS	
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RAP	TOP OF CASING: 1 GROUND SURFACE ELEV.: 775.6 f		DEPTH	nscs	Ę	TYPE	REC	SPT - BLOWS	DE	TES	10.000
6	FILL, silty clay, stiff, yellow-brown, no odor, dry, trace stone, brick		1.1.1.1.1		1	CS	1.2				Boring advanc with 4 1/4" H
			5		2	CS	0.5				
	becoming moist at 8.5'		10-		3	CS	1.5		_		
	뵻	E									
	saturated at 12', black, no odor, weak thread, soft		ter la								
	*		15		4	CS	2.0			-	
	trace sand, plastic, metal wire, brick, stone		20		5	CS	1.3	•+		-	
	23.0 752.6										
	24.0 SILTY CLAY, trace sand, medium thread, olive green, wet to saturated BOTTOM OF BORING		-								
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L					Contraction of the	ING	COMP	LETED	-		0-89
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r				1.1	APPI	ROVI	4D	_	JOB	# 5	089516

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SITE	4th and Marion Leavenworth, Kansas		PROJEC	т		Ĩ			arket			
			WELL			SAM	PLES	1		1221	TESTS	
GRAPHIC LOG	TOP OF CASING:	.44 ft ft 6.7 ft	DETAIL	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	FIELD VAPOR TESTS	
	FILL, stiff, brown, dry to damp, trace brick, shale					1	ĊS	1.8	•			Boring advanced with 4 1/4" HSA
	t			5		2	CS	0.0				
	12.0	764.7		10-		3	CS	2.5				
	SILTY CLAY, medium thread yellow-brown with gray, no odor, moist, stiff to very stiff olive-gray to brown, soft, moist at 16'			15		4	CS	4.5		4		
	black and red stratified staining at 17.5' mottled gray, black, red stiff to yery stiff, moist			20		5	CS	4.5				
	turning gray gray with mottled yellow, red and			25		6	CS	5.0				
	black staining, very stiff, moist 29.5	747.2	E	1111	_		-					-
	BOTTOM OF BORING											
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WL						APP	ROV	ED -		JOB	# 5	0895161

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SITE		PROJE		Supermarket							
-		WELL	1	-	SAM	PLE	5		1	TESTS	
GRAPHIC LOG	DESCRIPTION TOP OF PROTECTOR PIPE: 783.9 TOP OF CASING: GROUND SURFACE ELEV.: 781.0	DETAIL ft	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	FIELD VAPOR TESTS	
	Topsoil 780				1	CS	1.0				Boring advance with 4 1/4" HS
	brown, blocky structure, no odor, low plasticity		5-		2	CS	5.0				
	becoming to olive to gray-brown 12.0 765	0.0	10		3	CS	5.0				
	SILTY CLAY, gray-brown with yellow and black staining, moist		15		4	CS	0.0	**			
	to damp	IIIIIII	tititi i				14.2 2		ž-		
	saturated at 20.5', olive-green		20		5	CS	5.0				
	becomes stiff to very stiff at 23.5' 24.6 moist to wet, blocky 756	<u>,</u> 4	1111						-		
	BOTTOM OF BORING										
ETHE	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION HAY B WATER LEVEL OBSERVATIONS	LINES E GRADUAL.		W	/ELL	DIA:	E DIA 2 TART		in L	ock P 11-2	rovided 1-89
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APPENDIX II

Analytical Data

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1804 GLENDALE - SALINA, KANSAS 67401 - (913)827-1273

LABORATORY REPORT

CLIENT; TERRACON CONSULTANTS INC. ATTN;MELINDA TUMBLESON DATE SAMPLE I DATE SAMPLE I P.O. BOX 901541 CAS FILE NO: CAS FILE NO: CAS ORDER NO: CLIENT P.O.; LAB NUMBER; 89110861 DATE SAMPLED: SAMPLED DESCRIPTION: MW-1 DATE SAMPLED: DATE SAMPLED: CLIENT P.O.; ANALYSIS CONCENTRATION UNITS ANALYSIS CONCENTRATION UNITS SAMPLED ND(1.0) UG/L BENZENE ND(1.0) UG/L CONCLUSION OF LAB NUMBER; 89110861 CONCENTRATION UNITS LAB NUMBER; 89110862 DATE SAMPLED: TIME SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: TIME SAMPLED: LAB NUMBER; 89110862 DATE SAMPLED: DATE SAMPLED: LAB NUMBER; 89110862 DATE SAMPLED: DATE SAMPLED: LAB NUMBER; 89110862 DATE SAMPLED: DATE SAMPLED: LAB NUMBER; 89110863 DATE SAMPLED: DATE SAMPLED: LAB NUMBER; 89110863 DATE SAMPLED: DATE SAMPLED:	PAGE: 1
P.O. BOX 901541 KANSAS CITY, MO 64190-1541 CAS ORDER NO: CLIENT P.O.; LAB NUMBER; 89110861 SAMPLED DESCRIPTION: MW-1 ANALYSIS DATE SAMPLED: ANALYSIS DATE SAMPLED: ANALYSIS CONCENTRATION ND(1.0) UNITS DENZENE, TOLUENE, XYLENE XYLENE XYLENE ND(1.0) UG/L BENZENE ND(1.0) UG/L CONCLUSION OF LAB NUMBER; 89110861 LAB NUMBER; 89110862 SAMPLE DESCRIPTION: MW-2 ANALYSIS CONCENTRATION ND(0.003) MG/L CONCLUSION OF LAB NUMBER; 89110861 CONCLUSION OF LAB NUMBER; 89110862 CONCLUSION OF LAB NUMBER; 89110862	
KANSAS CITY, MO 64190-1541 CAS ORDER NO: CLIENT P.O.: LAB NUMBER: 89110861 DATE SAMPLED: SAMPLED DESCRIPTION: MW-1 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE ND(1.0) UG/L XYLENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: BENZENE, TOLUENE, XYLENE DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: BENZENE, TOLUENE, XYLENE DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: BENZENE, TOLUENE, XYLENE ND(1.0) UG/L YYLENE ND(1.0) UG/L BENZENE, TOLUENE, XYLENE ND(1.0) UG/L SAMPLED ND(1.0) UG/L CONCLUSION OF LAB NUMBER: 89110862 CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER; 89110863 DATE SAMPLED:	
CLIENT P.O.: LAB NUMBER: 89110861 DATE SAMPLED: SAMPLED DESCRIPTION: MW-1 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE XILENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER: 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: BENZENE, TOLUENE, XYLENE XILENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 CONCLUSION OF LAB NUMBER: 89110862	
LAB NUMBER; 89110861 DATE SAMPLED: SAMPLED DESCRIPTION: MW-1 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER; 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L CONCLUSION OF LAB NUMBER: 89110862 CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER; 89110863 DATE SAMPLED:	
SAMPLED DESCRIPTION: MW-1 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE ND(1.0) UG/L XYLENE ND(1.0) UG/L BENZENE ND(1.0) UG/L BENZENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER: 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: BENZENE, TOLUENE, XYLENE CONCENTRATION UNITS SAMPLE ND(1.0) UG/L BENZENE, TOLUENE, XYLENE ND(1.0) UG/L XYLENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER; 89110863 DATE SAMPLED:	
ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER; 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L DUG/L BENZENE ND(1.0) UG/L BENZENE ND(1.0) UG/L CONCLUSION OF LAB NUMBER: 89110862 CONCLUSION OF LAB NUMBER: 89110862	
BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER: 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER: 89110863 DATE SAMPLED:	: 1500
XYLENEND(1.0)UG/LTOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110861LAB NUMBER: 89110862DATE SAMPLED:SAMPLE DESCRIPTION: MW-2TIME SAMPLED:ANALYSISCONCENTRATIONUNITSTOLUENE, XYLENEXYLENEND(1.0)UG/LND(1.0)UG/LBENZENE, TOLUENE, XYLENEND(1.0)UG/LLEAD, TOTALND(1.0)UG/LCONCLUSION OF LAB NUMBER: 89110862CONCLUSION OF LAB NUMBER: 89110862LAB NUMBER; 89110863DATE SAMPLED:	BOOK/PAGE
XYLENEND(1.0)UG/LTOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110861LAB NUMBER: 89110862DATE SAMPLED:SAMPLE DESCRIPTION: MW-2TIME SAMPLED:ANALYSISCONCENTRATIONUNITSSENZENE, TOLUENE, XYLENEXYLENEND(1.0)UG/LBENZENE, TOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110862LAB NUMBER; 89110863	/
TOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110861LAB NUMBER: 89110862DATE SAMPLED:SAMPLE DESCRIPTION: MW-2DATE SAMPLED:ANALYSISCONCENTRATIONUNITSTIME SAMPLED:MALYSISCONCENTRATIONUNITSTOLUENE, XYLENEXYLENEND(1.0)UG/LDONCLUSION OF LAB NUMBER: 89110862CONCLUSION OF LAB NUMBER: 89110862LAB NUMBER; 89110863DATE SAMPLED:	150/18
BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER: 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER: 89110863 DATE SAMPLED:	150/18
LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110861 CONCLUSION OF LAB NUMBER: 89110861 LAB NUMBER: 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE ND(1.0) UG/L XYLENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 DATE SAMPLED:	150/18
LAB NUMBER: 89110862 DATE SAMPLED: SAMPLE DESCRIPTION: MW-2 TIME SAMPLED: ANALYSIS CONCENTRATION UNITS BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER: 89110863 DATE SAMPLED:	109/97
BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L TOLUENE ND(1.0) UG/L BENZENE ND(1.0) UG/L LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER; 89110863 DATE SAMPLED:	
XYLENEND(1.0)UG/LTOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110862LAB NUMBER; 89110863DATE SAMPLED:	BOOK/PAGE
XYLENEND(1.0)UG/LTOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110862LAB NUMBER; 89110863DATE SAMPLED:	. /
TOLUENEND(1.0)UG/LBENZENEND(1.0)UG/LLEAD, TOTALND(0.003)MG/LCONCLUSION OF LAB NUMBER: 89110862LAB NUMBER; 89110863DATE SAMPLED:	150/19
BENZENE ND(1.0) UG/L ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER; 89110863 DATE SAMPLED:	150/19
LEAD, TOTAL ND(0.003) MG/L CONCLUSION OF LAB NUMBER: 89110862 LAB NUMBER; 89110863 DATE SAMPLED:	150/19
LAB NUMBER; 89110863 DATE SAMPLED:	109/97
에게 2011년에 전에 가장 전에 가장 전에 가장 전에 가장 전에 있는 것이 있는 것이 있다. 이 가장	
행동수님이 가슴을 것 같은 것을 수 없다. 전 것은 해외에 있는 것은 것이 같은 것이 같은 것이 같은 것이 같은 것이 같은 것이 없는 것이 없 않이 없이 않이	
ANALYSIS CONCENTRATION UNITS	BOOK/PAGE
BENZENE, TOLUENE, XYLENE XYLENE ND(1.0) UG/L	/ 150/21

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PAGE:

LABORATORY REPORT

CLIENT: TERRACON CONSULTANTS INC. LAB NUMBER: 89110863

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOLUENE	ND(1.0)	UG/L	150/21
BENZENE	ND(1.0)	UG/L	150/21
VOLATILE SURVEY SEARCH	*SEE NOTE		145/11
EXTRACTABLE SURVEY SEARCH	**SEE NOTE	6	119/54
LEAD, TOTAL	ND(0.0030	MG/L	109/97

*NO VOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

**NO SEMIVOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

CONCLUSION OF LAB NUMBER: 89110863

LAB NUMBER: 89110864 SAMPLE DESCRIPTION: MW-4	* •	DATE SAMPLED: TIME SAMPLED:	
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
			/
BENZENE, TOLUENE, XYLENE	10.1		150/02
XYLENE	ND(1.0)	UG/L	150/23
TOLUENE	ND(1.0)	UG/L	150/23
BENZENE	ND(1.0)	UG/L	150/23
VOLATILE SURVEY SEARCH	*SEE NOTE		145/11
EXTRACTABLE SURVEY SEARCH	**SEE NOTE		119/54
ANTIMONY, TOTAL	ND(0.05)	MG/L	85 /46
ARSENIC, TOTAL	0.06	MG/L	120/72
BERYLLIUM, TOTAL	ND(0.01)	MG/L	106/20
CADMIUM, TOTAL	0.07	MG/L	142/38
CHROMIUM, TOTAL	0.17	MG/L	138/51
COPPER, TOTAL	0.52	MG/L	83 /61
LEAD, TOTAL	3.0	MG/L	109/98
MERCURY, TOTAL	ND(0.0002)	MG/L	125/50
NICKEL, TOTAL	0.28	MG/L	79 /70
SELENIUM, TOTAL	ND(0.005)	MG/L	139/38
SILVER, TOTAL	ND(0.02)	MG/L	134/47
THALLIUM, TOTAL	ND(0.01)	MG/L	84 / 37
ZINC, TOTAL	7.45	MG/L	82 /67

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	LABORATORY REPORT	r 	PAGE :		
CLIENT: TERRACON CONSULTAN LAB NUMBER: 89110864	ITS INC.				
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE		
*NO VOLATILE COMPOUNDS DET	ECTED GREATER THAN	APPROXIMATELY 5	UG/L.		
**THE SAMPLE CONTAINED ONE SPECTRAL LIBRARY COULD NOT UG/L. SEE ATTACHED MASS S COMPOUND. CONCLUSIO	IDENTIFY AT AN AF	PROXIMATE CONCEN SEARCH RESULTS	TRATION OF 18		
LAB NUMBER: 89110865 SAMPLE DESCRIPTION: MW-5	2	DATE SAMPLED: TIME SAMPLED:			
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE		
BENZENE, TOLUENE, XYLENE			/		
XYLENE	ND(1.0)	UG/L UG/L UG/L	150/25		
TOLUENE	ND(1.0)	UG/L	150/25		
BENZENE	ND(1.0)	UG/L	150/25		
OLATILE SURVEY SEARCH			145/11		
XTRACTABLE SURVEY SEARCH	**SEE NOTE		119/54		
EAD, TOTAL	ND(0.003)	MG/L	109/97		
NO VOLATILE COMPOUNDS DETI	ECTED GREATER THAN	APPROXIMATELY 5	UG/L.		
*NO SEMIVOLATILE COMPOUND	5 DETECTED GREATER	THAN APPROXIMATI	ELY 5 UG/		
	N OF LAB NUMBER: 8				
AB NUMBER: 89110866 SAMPLE DESCRIPTION: MW-6		DATE SAMPLED: TIME SAMPLED:	가슴 옷이 가지 않는 것이 잘 가지 않는 것이 같이 했다.		
NALYSIS	CONCENTRATION	UNITS	BOOK/PAGE		
OLATILE SURVEY SEARCH	*SEE NOTE		145/11		
XTRACTABLE SURVEY SEARCH			119/54		
NTIMONY, TOTAL	ND(0.05)	MG/L	85 /46		
			55 / 10		
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LABORATORY REPORT

PAGE: 4

CLIENT: TERRACON CONSULTANTS INC. LAB NUMBER: 89110866

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
ARSENIC, TOTAL	ND(0.01)	MG/L	120/71
BERYLLIUM, TOTAL	ND(0.01)	MG/L	106/20
CADMIUM, TOTAL	ND(0.01)	MG/L	142/38
CHROMIUM, TOTAL	ND(0.04)	MG/L	138/51
COPPER, TOTAL	ND(0.05)	MG/L	83 /61
LEAD, TOTAL	ND(0.003)	MG/L	109/97
MERCURY, TOTAL	ND(0.0002)	MG/L	125/50
NICKEL, TOTAL	ND(0.05)	MG/L	79 /70
SELENIUM, TOTAL	ND(0.005)	MG/L	139/38
SILVER, TOTAL	ND(0.02)	MG/L	134/37
THALLIUM, TOTAL	ND(0.01)	MG/L	84 / 37
ZINC, TOTAL	0.02	MG/L	82 /67

*NO VOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

**NO SEMIVOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

CONCLUSION OF LAB NUMBER: 89110866

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES. % REC INDICATES % RECOVERED AT THE INDICATED CONCENTRATION.

QUALITY CONTROL ANALYSES WERE PERFORMED ON SAMPLES AT TIME OF ANALYSIS IN ACCORDANCE WITH PROCEDURES PUBLISHED IN THE CODE OF FEDERAL REGULATIONS PART 136, JULY 1, 1986 OR IN EPA PUBLICATION, SW-846, 3RD EDITION, NOV. 1986.

SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

CONTINENTAL ANALYTICAL SERVICES, INC.

ford P. Bahen

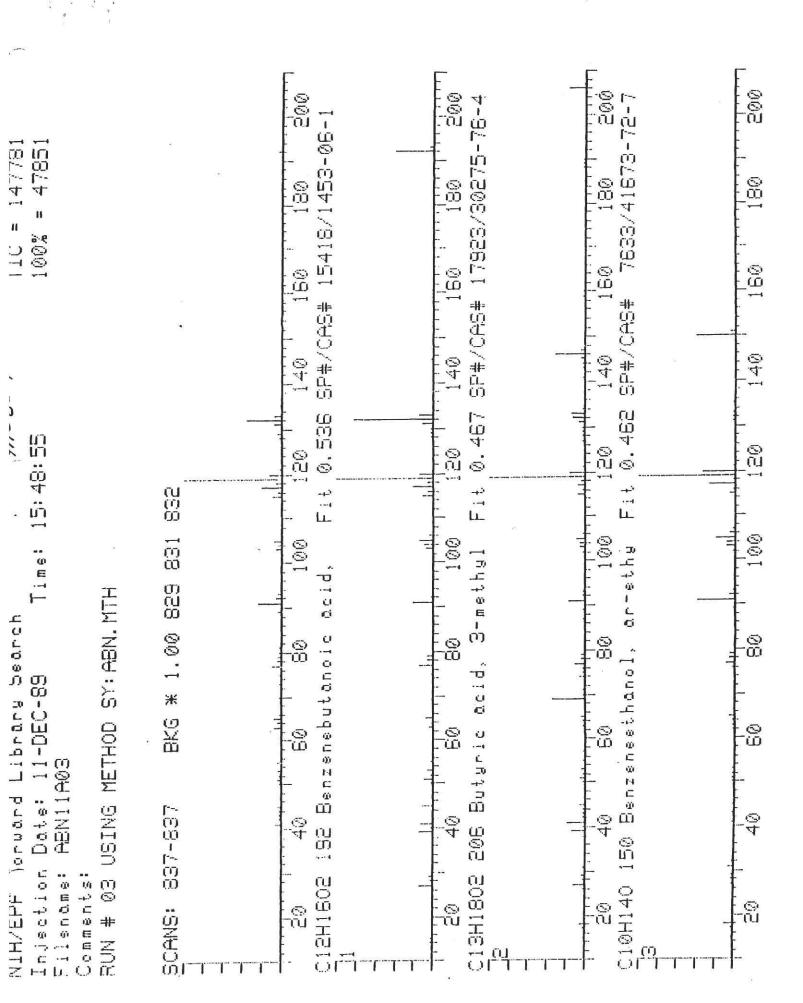
CLIFFORD J. BAKER LABORATORY DIRECTOR

PROJECT NO.	PROJE	CT NAME				SAMPLE PAR	AMETER	OTHER		
50895161	Prop	pased Su	a Marek	te f		Acity actuality			ц s	
the second se	gnature	.)			1000	Feiline Control			NUMBER OF CONTAINERS	REMARKS
STATION NUMBER	DATE	TIME	STATIO	N LOCATION	Total	BACE DA			C N	
mw-1	11/24	1500	Lewonn	Jorth Ks.	11.	·			3	
mw-2	11	: 1500		11	1.				3	
mu)-3	/1	1500		11	1				6	
mw-4	11	1500		11	,	1			6	
$m\omega$ -s	21	1500	,	1	1-				6	
mw-le	η	1500		<i>''</i>					4	
	-				+					
									-	
							TAL NUMB		28	
RELINQUISHED (Signature)		DATE	TIME 7 1/5:00	RECEIVED BY: (Signature)		RELINQUISHEN (Signature)) BY:	DATE.	TIME	RECEIVED BY: (Signature)
RELINQUISHE (Signature)		DATE	TIME	RECEIVED BY: (Signature)		RELINQUISHE (Signature)	D BY:	DATE	TIME	RECEIVED BY: (Signature)
METHOD OF S			-	SHIPPED BY: (Signature)		COURIER: (Signature)	1	RECEIVED (Signatu	ire)	B BY: DATE

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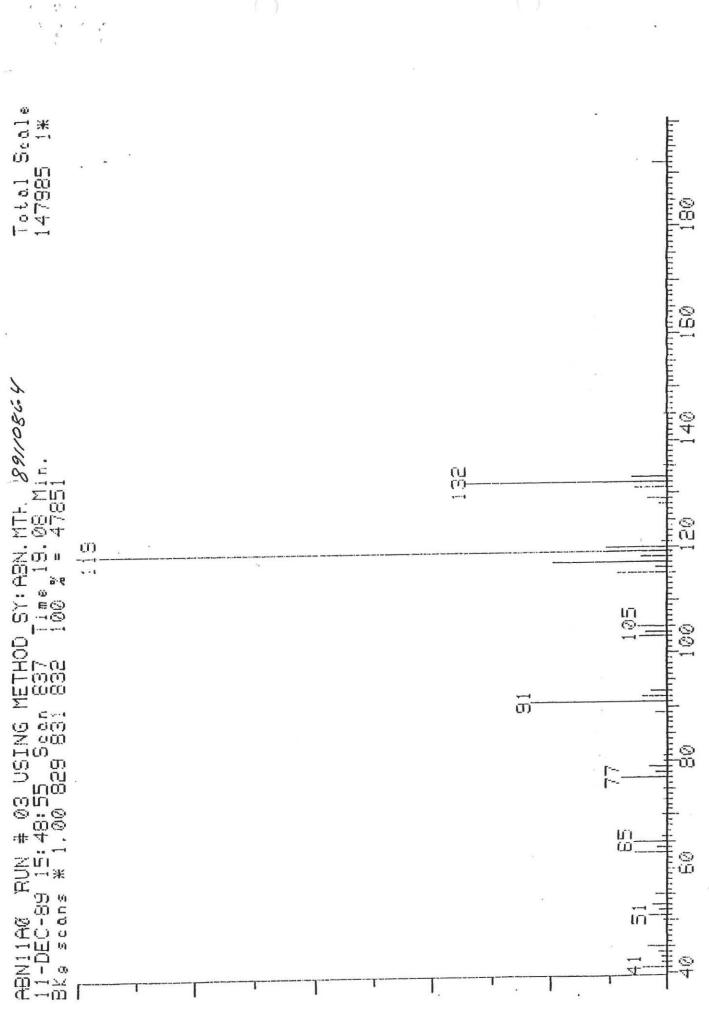


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NIH/EFA Library Search 89110864 File name: ABN11A03 Comments: RUN # 03 USING METHOD SY:ABN.MiH Scan Number: 837 Backsround Scans # 1.00 829 831 832 Retention time: 19.08 min. Date: 11-DEC-89 Time: 15:48:55 Forward Search Rank 1 Spectrum 15418 C.A.S 1453-06-1 Fit 0.536 C12H16O2 192 Benzenebutanoic acid, 2,5-dimethyl-Rank 2 Spectrum 17923 C.A.S 30275-76-4 Fit 0.467 C13H18D2 206 Butyric acid, 3-methyl-4-(2,5-xylyl)-Rank 3 Spectrum 7633 C.A.S 41673-72-7 Fit 0.462 C10H140 150 Benzeneethanol, ar-ethyl-Rank 4 Spectrum 4861 C.A.S 488-23-3 Fit 0.450 C10H14 134 Benzene, 1,2,3,4-tetramethyl-Rank 5 Spectrum 19561 C.A.S 54815-16-6 Fit 0.438 C16H24 216 Benzene, 1-(3-cvclorentylpropyl)-2,4-dimethyl-Spectrum 17297 Rank 6 C.A.S 644-30-4 Fit 0.434 C15H22 202 Benzene, 1-(1,5-dimethy)-4-hexeny))-4-methyl-Rank 7 Sfectrum 4873 C.A.S 1758-88-9 Fit 0.425 C10H14 134 Benzene, 2-ethyl-1,4-dimethyl-Spectrum 4864 Rank 8 C.A.S 535-77-3 Fit 0.419 C10H14 134 Benzene, 1-methyl-3-(1-methylethyl)-Rank 9 Spectrum 12984 C.A.S 1010-48-6 Fit 0.417 C11H14O2 178 Benzenerroranoic acid, .beta.,.beta.-dimethyl-Rank 10 Spectrum 8647 C.A.5 102-46-5 Fit 0.413 C9H11Cl 154 Benzene, 4-(chloromethyl)-1,2-dimethyl-

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1804 GLENDALE - SALINA, KANSAS 67401 - (913)827-1273

LABORATORY REPORT

	PAGE: 1							
CLIENT: TERRACON CONSULTANTS INC. ATTN:MELINDA TUMBLESON P.O. BOX 901541 KANSAS CITY, MO 64190-1541	DATE SAMPLE RPTD: 12/11/89 DATE SAMPLE RECD: 11/22/89 CAS FILE NO: 89-5018 CAS ORDER NO: 2639 CLIENT P.O.: 50895161							
LAB NUMBER: 89110748 SAMPLE DESCRIPTION: B-1	DATE SAMPLED: 11/20/89 TIME SAMPLED: 1030							
ANALYSIS CONCENTRATION	UNITS BOOK/PAGE							
ANALYSIS CONCENTRATION TOTAL PET. HYDROCARBONS, SOIL ND(50) LEAD, TOTAL 19	MG/KG 48 /86 MG/KG 109/96							
CONCLUSION OF LAB NUMBER: 891								
	а ^{са} ак							
LAB NUMBER; 89110749 SAMPLE DESCRIPTION; B-2	DATE SAMPLED: 11/20/89 TIME SAMPLED: 1020							
ANALYSIS CONCENTRATION	UNITS BOOK/PAGE							
TOTAL PET. HYDROCARBONS, SOIL ND(50) LEAD, TOTAL 17	MG/KG 48 /86 MG/KG 109/96							
CONCLUSION OF LAB NUMBER: 89110749								
LAB NUMBER; 89110750 SAMPLE DESCRIPTION; B-3	DATE SAMPLED: 11/20/89 TIME SAMPLED: 1035							
ANALYSIS CONCENTRATION	UNITS BOOK/PAGE							
TOTAL PET. HYDROCARBONS, SOIL ND(50) LEAD, TOTAL 18	MG/KG 48 /86 MG/KG 109/96							
CONCLUSION OF LAB NUMBER: 891	10750							

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	LABORATORY REPO		PAGE:	
CLIENT: TERRACON CONSULTA	NTS INC.			
LAB NUMBER: 89110751 SAMPLE DESCRIPTION: MW-3		DATE SAMPLED: TIME SAMPLED:		
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE	
TOTAL PET. HYDROCARBONS,	SOIL 140	MG/KG	48 /86	
CONCLUSI	ON OF LAB NUMBER:	89110751		
LAB NUMBER: 89110752 SAMPLE DESCRIPTION: MW-4	*	DATE SAMPLED: TIME SAMPLED:		
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE	
ANALISIS			48 /86	
TOTAL PET. HYDROCARBONS, S	501L 260	MG/KG	40 /00	

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES. % REC INDICATES % RECOVERED AT THE INDICATED CONCENTRATION.

QUALITY CONTROL ANALYSES WERE PERFORMED ON SAMPLES AT TIME OF ANALYSIS IN ACCORDANCE WITH PROCEDURES PUBLISHED IN THE CODE OF FEDERAL REGULATIONS PART 136, JULY 1, 1986 OR IN EPA PUBLICATION, SW-846, 3RD EDITION, NOV. 1986.

SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

CONTINENTAL ANALYTICAL SERVICES, INC.

(lifton) P Baher CLIFFORD J. BAKER

LABORATORY DIRECTOR



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7810 N W 100th PO Box 901541 Kansas City, Missouri 64190-1541 (616) 891-7717

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PROJECT NO. PROJECT NAME		1	SAMPLE PARAMETER			OTHER		- 7 - 7					
50895161 SAMPLERS: (S:			Al ste	(Len Ks)	lend	2						NUMBER OF CONTAINERS	
STATION - NUMBER	DATE	TIME	STATI	ON LOCATION	Total 1	10						NUM	REMARKS
B-1	11/20	10:30	2	ŕ	1	1			•				Soil
B-2	1/20	10:20			1	1							Soil
B-3	1/20	10:35			1	V						1	Suil
MW-3	1/20	11:45	3'			1							Suil
mw-4	1/20	14:10	3'		-	1	$\frac{1}{1}$	$\left \right $	+	+++			Suil
								\square	T				
					+	+	-	+	-				
			*										
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May 1, 1990

City of Leavenworth Attention: Mike McDonald City Hall - 5th and Shawnee Leavenworth, Kansas 66048

RE: Leavenworth Price Chopper 4th & Marion

Mike,

The following is information you requested from the Price Chopper site.

If you have any questions, please don't hesitate to give me a call.

Sincerely,

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Jerrý Ogren Project Manager Vinyard Construction Co., Inc.

5/7/90

cc: Suzanne Stephens, CDFM

Using information to bring people and space together.

SUBSURFACE EXPLORATION REPORT PROPOSED SUPERMARKET FOURTH & MARION STREETS LEAVENWORTH, KANSAS

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CONSULTANTS SE, INC. 14700 W. 107th Street Lenexa, Kansas 66215 (913) 492-777

7810 N W 100th PO Box 9015-11 Kansas City, Missouri 64190-1541 (816) 891 7717

October 26, 1989

Four-B Corporation 5300 Speaker Road Kansas City, KS 66106

ATTN: Mr. Bill White

RE: Subsurface Exploration Report Proposed Supermarket Fourth & Marion Streets Leavenworth, Kansas Job No. 02897029

Gentlemen:

We have completed the subsurface exploration for the referenced project. The accompanying geotechnical report presents the findings of the subsurface exploration and our recommendations concerning the design and construction of foundations and pavements.

In summary, drilled pier foundations are recommended for support of the proposed supermarket; miscellaneous poorly compacted fill and soft, compressible native soils were encountered during the subsurface exploration. Recommendations for support of a future building to be constructed near the northwest corner of the site on footing foundations is also included. Results of the concurrent environmental study are being submitted under separate cover.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service to you in any way, please do not hesitate to contact us.

Sincerely,

TERRACON CONSULTANTS SE, INC.

Brett E. Bradfield, E.I.T. Project Engineer

Craig R. Denny

Registered Professional Engineer Kansas: 10043

BEB/CKD:rs:2650R

Enclosures 2xc: Above 2cc: Franklin, Frieze, Boice - Architects, Inc. - Mr. Bill Boice

Offices of Terracon Companies: Colorado: FL Collins II Iowa: Cedar Falls, Cedar Rapids, Davenport, Des Moines, Storm Lake IIIInois: Bloomington, Rock Island Kansas: Lenexa, (Greater Kansas City), Topeka, Wichita II Minnesota, SL Paul III Missouri: Kansas City III Nebraska: Omaha Oklahoma: Oklahoma City, Tulsa

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SUBSURFACE EXPLORATION REPORT PROPOSED SUPERMARKET FOURTH & MARION STREETS LEAVENWORTH, KANSAS

Job No. 02897029 October 26, 1989

INTRODUCTION

The subsurface exploration for the proposed supermarket in Leavenworth, Kansas, has been completed. Twenty-one borings extending to depths of 8 to 42.8 feet below existing ground surface were performed. Individual boring logs and a location diagram are included with this report.

The proposed project will consist of a single-story structure with a relatively high roof. A basement for the structure is not planned, but tunnels 4 to 5 feet below floor level will be needed for refrigeration piping and other utilities. The proposed building will enclose approximately 48,000 square feet. Column loads are estimated to range from 50 to 160 kips; wall loads are anticipated to be 4 to 5 kips per lineal foot. Floor loads are anticipated to be relatively light except where heavy freezer units are located.

Parking for 290 vehicles is planned on the west portion of the project site. Entrances to the proposed supermarket from Fourth Street on the west and Marion Street on the south are planned. Loading dock facilities are planned along the east side of the proposed building.

Based upon our interpretations of the existing site grades, we estimate that the construction of the building pad may require approximately 3 feet of fill to provide drainage away from the structure. Minor cuts and fills are expected over the remainder of the proposed project site. Recommendations for site preparation and fill placement are provided in this report.

The purpose of this report is to describe the subsurface conditions encountered in the borings, present all test data, and make recommendations regarding foundation design and construction.

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The borings were performed between September 29 and October 4, 1989, with a truck-mounted rotary drill rig equipped with a hydraulic head employed in drilling and sampling operations. The boreholes were typically advanced using continuous flight augers; however, hollow stem augers were used at Boring B-11 to maintain stability of the borehole through the fill and soft subsurface soils encountered. Representative samples were obtained by thin-walled tube sampling procedures in accordance with ASTM Specification D-1587. In the tube sampling procedure, a thin-walled seamless steel tube with a sharp cutting edge is pushed hydraulically into the ground to obtain relatively undisturbed samples of cohesive or moderately cohesive soils. Tubes with a nominal 2 inch O.D. were typically used to obtain samples of the subsurface soils; 3 inch 0.D. steel tubes were used to obtain samples of soft cohesive soils. In addition, split-barrel sampling procedures, ASTM Specification D-1586, were used at Boring B-11 within the existing fill material. In the split-barrel sampling procedure, a standard 2 inch 0.D. split-barrel sampling spoon is driven into the ground with repeated blows of a 140 pound hammer falling a distance of 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18 inch penetration is designated as the standard penetration resistance value. These values are indicated on the boring log at the depth of occurrence and are an indication of the relative consistency of the existing fill materials. All samples were sealed and returned to the laboratory for testing and classification.

Field logs of each boring were prepared by the drill crew. These logs contained visual classification of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. Final boring logs included with this report represent the engineer's interpretation of the field logs and may include modification based on laboratory observation and tests of the samples.

Borings B-1A, B-3, B-10A, B-11, and B-12 were drilled to an apparent limestone bedrock formation. The borings were extended into the apparent limestone until refusal of our flight augers equipped with carbide teeth occurred. Penetrations of 0 to 0.9 feet into the apparent limestone

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formation were recorded. Core samples obtained with an NX size diamond bit core barrel may reveal other rock types and formations.

TESTING PROCEDURES

All samples recovered in the field were tested in the laboratory to measure their natural water contents and dry unit weights. Samples obtained by the split-barrel sampling procedure had only their natural water contents measured. Unconfined compressive strength tests were performed on selected native cohesive soil samples. A calibrated hand penetrometer was used to estimate the approximate unconfined compressive strength of other cohesive soil samples and existing fill soils. The calibrated hand penetrometer has been correlated with unconfined compression tests and provides a better estimate of soil consistency than visual examination alone. The results of the laboratory tests are given on the individual boring logs.

Atterberg Limits tests were performed on representative samples obtained from depths near the existing ground surface in the proposed building area, parking area, and future building site area. The Atterberg Limits tests provide accurate information on the plasticity of the soil and an indication of the potential for the soil to change volume with variation in water content. The tests also aid in the evaluation of the suitability of the native soils for use as compacted fill beneath floor slabs and pavements. The results of these tests are indicated on the boring logs and discussed later in this report.

Descriptive classifications of the soils indicated on the boring logs are in accordance with the enclosed General Notes and the Unified Soil Classification System. Also shown are estimated Unified Soil Classification Symbols. A brief description of this classification system is included in the appendix of this report. All classification was by visual-manual procedures and was performed by experienced personnel.

Classification of rock materials is in accordance with the enclosed General Notes and has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

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SITE CONDITIONS

The borings were drilled between September 29 and October 4, 1989, at the locations indicated on the enclosed location diagram. The borings were laid out by the drill crew. Distances from the referenced features to the boring locations indicated on the attached diagram are approximate and were measured by tape. Angles for locating the borings were estimated. Elevations of the borings are approximate and were obtained by the drill crew using a surveyor's level and rod. The elevations were referenced to the south nut of the top flange of the fire hydrant located approximately 60 feet north of the northwest corner of the proposed supermarket. An arbitrary elevation of 100.0 feet was assigned to this location. The rim of a manhole adjacent to the fire hydrant was measured to be at an elevation of 98.9 feet. The locations and elevations of the borings should be considered accurate only to the degree implied by the methods used to make these measurements.

The project site in general was covered with grass. The ground surface of the project site slopes downward toward the east from Fourth Street. Two houses with basements existed on the site at the time the subsurface exploration was completed. One of the homes is within the proposed supermarket building area; the other home exists in the northwest portion of the site where future development is planned. An existing street crosses the project site in a north-south direction. A salvage yard is adjacent to the eastern boundary of the project site. It is believed that a shallow creek or swale had traversed the project site and has subsequently been backfilled to develop the area surrounding the project site.

SUBSURFACE CONDITIONS

Borings B-1 through B-12, including Borings B-1A and B-1OA, were performed within the proposed supermarket building area. After reviewing the results of the borings as field work progressed, several borings were deepened, and Borings B-4 and B-9 were deleted from the subsurface exploration. Borings B-1A, B-3, B-1OA, B-11, and B-12 performed at the boundaries of the proposed building were extended to the underlying bedrock formation. Borings B-13, B-13A, and B-14 were performed near the north wall of the proposed

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building to obtain samples for environmental evaluation. Borings B-15 through B-20 were performed in the proposed parking areas; however, Borings B-19 and B-20 were extended to greater depths in the area of the future building site.

Specific conditions at each boring location are indicated on the indiviual boring logs. The stratification boundaries shown on the boring logs represent the approximate location of changes in soil and rock types; in situ, the transition between materials may be gradual. Based on the results of the borings, subsurface conditions can be generalized as follows.

Supermarket Building Area

The borings performed within the limits of the proposed supermarket encountered approximately 2 to 5 inches of topsoil at the ground surface. Fill was encountered at boring locations B-1, B-6, and B-10 through B-12. The fill generally consisted of silty lean clay and lean clay soils with variable amounts of miscellaneous rubble such as gravel, brick, concrete, wood, metal, and cinders. The depth of the fill soils encountered varied from approximately 3.5 to 7 feet at boring locations B-1 and B-1A; 2 feet at Boring B-6; and between 7.5 to 16.5 feet along the north edge of the proposed building at boring locations B-10 through B-12.

To a depth of approximately 3 feet at Borings B-5 and B-7 and 7 feet at Boring B-2, dark brown, brown, and gray brown lean clay trace roots were encountered. The lean clay, in general, was very stiff and exhibits moderate potential for volume change with variation in moisture content as estimated from Atterberg Limits tests. Beneath the lean clay at these borings and below existing fill at Borings B-1, B-6, and B-10 through B-12, and from the ground surface at Borings B-3 and B-8, silty lean clay was encountered. The silty lean clay, in general, graded from brown to gray brown, to gray with depth. The silty lean clay exhibited very stiff to medium consistency in the upper 15 feet of the borings in which it was encountered; however, soft soils were encountered below 18 feet at Borings B-10 and B-11.

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At Boring B-6, the silty lean clay extended to a depth of 18 feet where brown and gray, stiff to very stiff, fat clay was encountered. Boring B-6 terminated in the fat clay at a depth of 25 foot below existing ground surface. Borings B-1, B-2, B-5, B-7, B-8, and B-10 terminated at depths ranging from 15 to 20 feet below existing ground surface within the silty lean clay soils. The silty lean clay soils are believed to be derived primarily from loess. However, some of the softer soils encountered at depths below 20 feet may be alluvium.

Due to the soft soil conditions encountered at the site, borings near the proposed building corners, Borings B-1A, B-3, B-1OA, B-11, and B-12, were extended to underlying bedrock formations. Apparent limestone bedrock was encountered at depths ranging from approximately 37.1 to 42.5 feet below existing ground surface at Borings B-12 and B-1A, respectively. Using our flight augers equipped with carbide teeth, we were able to penetrate the limestone distances ranging from 0 to 0.9 feet at Borings B-3 and B-11, respectively, before auger refusal occured. Traces of limestone gravel within the overlying silty lean clay soils were encountered at depths varying from 36 to 41 feet below existing ground surface. The elevation of the apparent limestone bedrock formation, based upon our arbitrary site datum, varies from 55.8 to 58.7 feet.

Borings B-13, B-13A and B-14

Borings B-13, B-13A, and B-14 were performed within the project site north of the proposed supermarket building to obtain samples for analytical testing. Ten (10) to 15 feet of existing fill similar to that described in the previous subsection were encountered. Boring B-13 terminated at a depth of 15 feet within the existing fill. At a depth of 10 feet at Borings B-13A and B-14, olive gray silty lean clay was encountered. Borings B-13A and B-14 terminated at depths of approximately 20 feet within the silty lean clay.

Proposed Parking Area

Borings B-15, B-16, B-17, and B-18 were performed to a depth of 8 feet below existing ground surface in the proposed parking areas. Approximately

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2 inches of topsoil covered the area; however, 6 inches of gravel was encountered at Boring B-18. Fill was encountered to depths of 2 to 3 feet below existing ground surface at Borings B-15 and B-16. The fill consisted of lean clay with traces of sand, gravel, cinders, brick, wood, and concrete.

Below the existing fill at Borings B-15 and B-16 and extending to depths of 3 to 7 feet below the ground surface, dark brown lean clay was encountered. At the ground surface at Borings B-17 and B-18 and beneath the lean clay at Borings B-15 and B-16 fat clay soils were present. The native cohesive soils in the parking area were, in general, dark gray brown to gray brown and exhibted stiff to very stiff consistency. The near surface native soils in the proposed parking area exhibit, in our opinion, moderate to high potential for volume change as estimated from Atterberg Limits tests.

Future Building Site

Borings B-19 and B-20 were performed in the vicinity of the proposed future building site at the northwest corner of the supermarket project site. Approximately 2 feet of fill consisting of silty lean clay with traces of brick and cinders were encountered at the ground surface. The existing fill was underlain by stiff to very stiff, dark gray brown lean clay which extended to a depth of approximately 6 feet below existing ground surface. At this depth, medium to stiff silty lean clay was encountered. The silty lean clay, in general, was brown and gray brown. At a depth of 13 feet at Boring B-19, soft soils were encountered; at a depth of 13 feet in Boring B-20, stiff consistency fat clay was encountered. Borings B-19 and B-20 terminated at a depth of 15 feet below existing ground surface. The near surface lean clay soils exhibit a high potential for volume change with variation in moisture content as estimated by Atterberg Limits tests; the clay content of near surface soils was observed to increase with depth.

GROUNDWATER CONDITIONS

All borings were monitored while drilling and after their completion to detect the presence of groundwater. Groundwater was encountered at these times at all boring locations except for the relatively shallow

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Borings B-2, B-5, B-8, and B-15 through B-18. It is concluded that these shallow borings terminated above the level of the groundwater encountered in the other borings.

Groundwater was encountered while sampling at depths below existing ground surface ranging from 11.5 to 22 feet. After completion of drilling operations, groundwater was measured at depths of 11 feet to 25 feet below the ground surface. The groundwater level, in general, was encountered at shallower depths along the northern portion of the site and at greater depths near the southeastern portion of the project site. Long-term readings in cased holes or piezometers would be necessary to more accurately evaluate groundwater conditions.

Moist soil conditions and mottled soil coloring were observed at several boring locations above the measured water level. The mottled colors indicate to us that fluctuations in the groundwater table have probably occurred. Perched water may also occur within the existing fill areas following periods of heavy or prolonged precipitation. Fluctuations in the nearby Missouri River and Five Mile Creek water level may influence the depth at which groundwater is encountered. These possibilities should be considered when developing design and construction plans and specifications for the project. The presence of groundwater may hamper construction of drilled shaft foundations for the proposed structure.

ANALYSIS AND RECOMMENDATIONS

Variable soil conditions were encountered across the building site. A significant thickness of miscellaneous rubble fill was encountered in the area of the north portion of the proposed building. In addition, soft, potentially highly compressible soil conditions were encountered with depth in several of the borings.

Based upon this information developed during the subsurface exploration and our observations of nearby buildings on adjacent properties that have experienced foundation movements, we recommend the proposed supermarket building be supported on drilled pier foundations which extend to the underlying bedrock formations. In addition, recommendations are provided

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for removal of a portion of the existing fill beneath floor slabs and pavements. On site, near surface soils should be modified with lime or fly ash for use in the upper level of fill sections beneath floor slabs and pavements due to their high plasticities.

Site Clearing and Preparation

The existing fill located in the vicinity of the north portion of the proposed building (B-10, 10A, 11, 12, 13, 13A, and 14), in our opinion, is not suitable for support of floor slabs or pavements. We recommend that the existing fill which contains a significant amount of debris be removed to a minimum depth of 5 feet below the bottom of floor slabs and a minimum of 3 feet below the bottom of pavement sections. The excavated existing fill containing debris should be completely removed from the site to prevent incorporation of the miscellaneous fill material with new compacted fill. Traces of debris were noted in borings performed on the west side of the site as well (B-15, B-16, and B-20). These areas should be evaluated during site preparation also.

For developing rough grade on the site, we recommend imported low volume change fill or native high plasticity site soils modified with lime or fly ash be used within a minimum of 18 inches below floor slabs and 12 inches beneath pavement sections. Additional recommendations regarding the construction of low volume change subgrade zones are discussed in following sections.

In cut areas and areas where fill is to be placed, we recommend all surface vegetation and any topsoil or other loose, soft, or otherwise unsuitable material be removed. These materials should be stockpiled or removed from the site to prevent incorporation with new fill soils. After stipping, and removal of the existing fill and high plasticity site soils to the recommended levels, proofrolling with heavy construction equipment such as a loaded scraper or tandem-axle dump truck is recommended to aid in locating low strength areas. Unsuitable areas observed or encountered at this time should be undercut. Proofrolling aids in providing a firm base for compaction of the fill section and delineating soft or disturbed areas that may exist below subgrade level.

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After proofrolling is completed, we recommend that the exposed native soils in the building area be scarified to a minimum depth of 6 inches. The moisture content of the scarified soils should be adjusted to within 0 to 4 percent above the optimum moisture value and compacted to a minimum of 95 percent of the material's maximum standard Proctor dry density, ASTM designation D-698. In addition, exposed native soils in fill sections within the parking lot areas should be scarified and recompacted as recommended above.

We understand that the two houses which exist on the supermarket site will be razed as part of the new construction. The existing homes have limestone rock foundations. We recommend that the demolition debris be completely removed from the site to prevent incorporation of miscellaneous materials within new compacted fill sections. Foundation walls should be removed to a minimum of 2 feet below the bottom of pavement sections and floor slabs. Large limestone pieces removed from the foundation walls should be completely removed from the site. We recommend that the basement floors be sufficiently broken up to allow the migration of groundwater. The broken up floor slab should be tamped in place so no voids exist between the broken floor and underlying soils. New fill placed within the existing house basement areas should be placed and compacted as recommended in the following sections.

Drilled Pier Foundations

We recommend drilled pier foundations be used to support the proposed supermarket. Due to the nature of the existing fill over a portion of the building site and the presence of soft native soils at depth in some other borings, we believe that shallow foundation elements would not perform uniformly. Drilled pier foundations that extend to the underlying bedrock should not experience differential settlement which, in our opinion, would be experienced by shallow footing foundations. We recommend drilled piers be designed for end bearing on the underlying bedrock formations; an allowable end bearing pressure of 30,000 psf is recommended. Apparent limestone formations were encountered at depths ranging from 37.1 to 42.5 below existing ground surface. A minimum penetration of 6 inches into the

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apparent limestone formation is recommended to obtain suitable bearing on slightly weathered bedrock.

Excavation for drilled piers is not expected to be unusually difficult. Conventional earth auger excavating and drilling equipment should be able to penetrate the soil although a rock auger would probably be needed to achieve the recommended penetration into rock for bearing. Water was encountered at depths of 11 to 20 feet below existing ground surface in the borings. Temporary steel casing may be needed to advance drilled pier excavations and to possibly seal the water from entering the excavation. The bottom of the pier excavations should be cleaned of water and loose material before placing concrete. A minimum shaft diameter of 30 inches is recommended to allow hand cleaning and testing of the bearing surface. We recommend approximately 25 percent of the drilled shafts be tested by drilling a probehole extending a minimum of 3 feet or 1 shaft diameter beneath the bearing surface, whichever is greater. Terracon personnel should be retained to observe the bearing elevation and probeholes.

Relatively high groundwater levels and soft soils were encountered in the test borings. Therefore, we recommend that a minimum concrete head of 5 feet above the groundwater level be maintained during removal of temporary casing. There exists the possiblity that the soft soils may squeeze the excavated shaft; therefore, the volume of concrete placed in the excavated piers should be monitored during the removal of the casings.

Drilled piers excavated in areas of the existing miscellaneous fill may be susceptible to caving of the fill materials into the shaft excavation. Care should be taken so that concrete is not placed over caved material. A larger diameter section of casing may be necessary within the upper 15 to 20 feet of the piers to brace the existing fill materials during placement of concrete and the removal of other temporary casings.

We estimate that drilled shafts designed and constructed as recommended above should experience minor settlements, less than 1/4 inch.

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Floor Slabs

We estimate that the existing building site grades will be raised approximately 2 to 3 feet to provide drainage away from the building. As mentioned previously in the site clearing and preparation subsection, we recommend that in addition to stripping topsoil from the building area, the existing unsuitable fill material located in the north end of the building and possibly at other locations be removed to a minimum of 5 feet beneath floor slabs. The areal extent of existing miscellaneous fill material within the building area may not become apparent until construction. The exposed materials within the building area should be proofrolled as previously recommended prior to placing new fill.

We recommend an 18 inch thick zone of low volume change material be placed beneath floor slabs. The low volume change zone would include the thickness of any granular leveling course and may consist of imported low plasticity fill or native site soils modified with lime or fly ash to reduce their plasticity. On site native high plasticity cohesive soils may be used in fill sections beneath the low volume change zones of the floor slabs.

New fill soils should be placed in loose lifts not to exceed 9 inches in thickness and compacted to a minimum of 95 percent of the material's standard Proctor density, ASTM Specification D-698. Fill should be compacted at moisture contents 0 to 4 percent above the optimum moisture value determined by the standard Proctor test.

Imported soils used within the 18 inch low volume change zone beneath floor slabs should be low plasticity cohesive soil or granular soil having at least 18 percent low plasticity fines. Low plasticity cohesive soils exhibit a liquid limit less than 45 percent and a plasticity index less than 21 percent.

As an alternative to importing low plasticity material, native site soils removed from cut sections in the parking area may be used if treated with lime or Class "C" fly ash within low volume change zones beneath floor slabs. Modification of the existing moderately to highly plastic native

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soils encountered near the ground surface in the proposed parking area should lower their plasticity to suitable levels. The estimated required quantities are 4 to 6 percent hydrated or quick lime, or approximately 15 percent Class "C" fly ash; quantities are based on dry weights. Modified native site soils should be placed and compacted as previously recommended.

Upon completion of the filling operation, care should be taken to maintain the minimum recommended moisture contents within the floor slab subgrade prior to construction of the floor slab. The procedures recommended above may not eliminate all future subgrade volume change beneath the floor slab. However, the procedures outlined should, in our opinion, reduce the potential for subgrade volume change to a small amount.

For the proposed lightly loaded slabs, and a subgrade prepared and tested as described above, we estimate the amount of floor slab settlement would be small, less than 1/2 inch.

Tunnels

Tunnels needed for refrigeration piping and other utilities are to be placed below the floor level. We estimate the tunnels will extend approximatley 4 to 5 feet below the floor slabs. We recommend that below grade walls subjected to lateral earth pressures be designed for lateral earth pressures equivalent to that exerted by a fluid with a density of 50 pounds per cubic foot. In addition, the surcharge from the overlying floor will contribute to the lateral loads on the walls. We recommend an additional uniform lateral load along the entire height of the wall equivalent to 45 percent of the floor slab load be applied for the design of tunnel walls.

The earth pressure conditions are presented on a diagram in the appendix of this report. Please note that this is for an "at-rest" stress distribution based on a condition of no wall rotation. No factor of safety or hydrostatic loading of the wall is included in this distribution.

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Drives and Parking Pavements

Borings performed in the parking area encountered between 0 to 3 feet of fill overlying silty lean clay or fat clay native soils. As previously recommended, the parking area should be stripped of topsoil, unsuitable miscellaneous debris fill materials, and high plasticity native soils to the recommended levels, and proofrolled. Unsuitable areas encountered or observed during proofrolling should be removed. In areas where deep unsuitable fill was encountered, such as the area north of the proposed building, a minimum of 3 feet of the existing fill materials should be removed beneath the bottoms of pavement sections prior to placing new compacted fill and pavement subgrades.

Imported low volume change soils or native site soils modified with lime or fly ash should be used within 12 inches of the pavement are recommended to create a stable pavement subgrade. The recommendations for lime or fly ash quantities and placement procedures presented in the Floor Slab subsection are valid for pavement subgrades.

Exposed native soils beneath the low volume change subgrade should be scarified to a minimum depth of 6 inches, adjusted to the recommended moisture levels and recompacted. All new fill should be placed and compacted as previously recommended. New fill sections should extend laterally a minimum of 12 inches beyond edges of pavements or curb and gutter.

Some preliminary pavement sections are outlined below. These sections are intended to be preliminary and should be reviewed when more details such as final grades, traffic loadings, and traffic volumes are known.

Based on soil types encountered at the project site and previous experience with soils of this type, a CBR value of 3 is estimated for design of parking and drive pavement sections. For this value, with light vehicle loads and low volumes, a full-depth asphaltic concrete section having a minimum total thickness of 5.5 inches is typical for parking areas, and 7 inches is typical for drive areas where loads are heavier and traffic is more channelized. A minimum surface course thickness of 2 inches is

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usually recommended. In addition, in areas for standing semi-trailer storage or dock areas, we recommend concrete pavements, a minimum of 7 inches thick should be used.

The above sections represent minimum design thicknesses, and as such, periodic maintenance should be anticipated. Pavements should be sloped to provide rapid surface drainage. Water allowed to pond on or adjacent to the pavement could saturate the subgrade and contribute to premature pavement deterioration.

Other Considerations

Future development in the northwest portion of the project site is being considered. All recommendations provided for site clearing and preparation, and floor slabs should be considered valid for the future development. However, we estimate that support of buildings with light wall and column loads on shallow footing foundations would be feasible in this portion of the site.

We recommend footing foundations be extended into the underlying native soils which were encountered approximately 2 feet below existing ground surface elevation in Boring B-19 and B-20. In this area, we preliminarily recommend that footings supported on the native lean clay soils be designed for a maximum net allowable total load soil bearing pressure of 2,500 psf. This is the pressure that may be transmitted to the bearing soils in excess of the minimum surrounding overburden pressure. We should review details of the proposed structure when the design is being finalized to determine if this foundation design bearing pressure is appropriate.

We recommend that perimeter footings or footings beneath unheated areas extend at least 3 feet below final outside grade for frost protection. We also recommend that isolated shallow footings have a minimum width of 2.5 feet, and continuous formed footings have a minimum width of 16 inches.

The base of foundation excavations should be free of water and loose soil prior to placing reinforcing steel and foundation concrete. Concrete should be placed soon after excavating so wetting or drying of bearing

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soils does not occur. Should the soils at bearing level become excessively dry or saturated, we recommend the affected soil be removed prior to placing concrete. Should a high groundwater table occur during construction, some water seepage into foundation excavations would be expected. The seepage rate of such water is expected to be minor, and, therefore, it should be possible to remove it by the use of sump pits and pumps.

Uncontrolled fill materials containing rubble and other miscellaneous matter were revealed in the test borings. Under no circumstances should footing foundations be supported over these existing fill soils without more extensive exploration and evaluation. Due to the uncontrolled nature of the fill, excessive differential settlements could occur upon trasmitting structural loads to these materials.

We estimate that settlements of footing foundations supported on native soils designed and constructed as recommended, would be small, less than 1 inch.

GENERAL COMMENTS

The analysis and recommendations presented in this report are based upon the data obtained from the soil borings performed at the indicated locations and from any other information discussed in this report. This report does not reflect any variations which may occur between borings or across the site. The nature and extent of such variations may not become evident until construction. If variations appear evident it will be necessary to reevaluate the recommendations of this report.

It is recommended that the geotechnical engineer be retained to review the plans and specifications so that comments can be made regarding the interpretation and implementation of our geotechnical recommendations in the design and specifications. It is further recommended that the geotechnical engineer be retained for testing and observation during earthwork and foundation construction phases to help determine that the design requirements are fulfilled.

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This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No other warranty, expressed or implied, is made. In the event that any changes in the nature, design or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and the conclusions of this report modified or verified in writing by the geotechnical engineer.

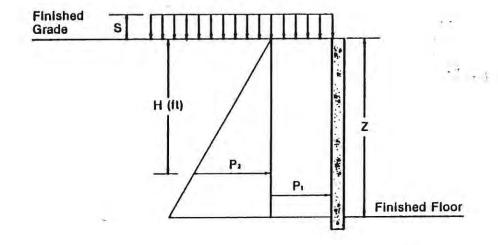
APPENDIX

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AT-REST EARTH PRESSURE ON 1-FOOT WIDE VERTICAL STRIP

(NO WALL ROTATION)

- S = Uniform surcharge at grade, load in psf
- Z = Wall Height (It)
- PI= 0.45 S = Effect of uniform surface surcharge
- $P_{2} = 50 H = Earth pressure$



CONDITIONS

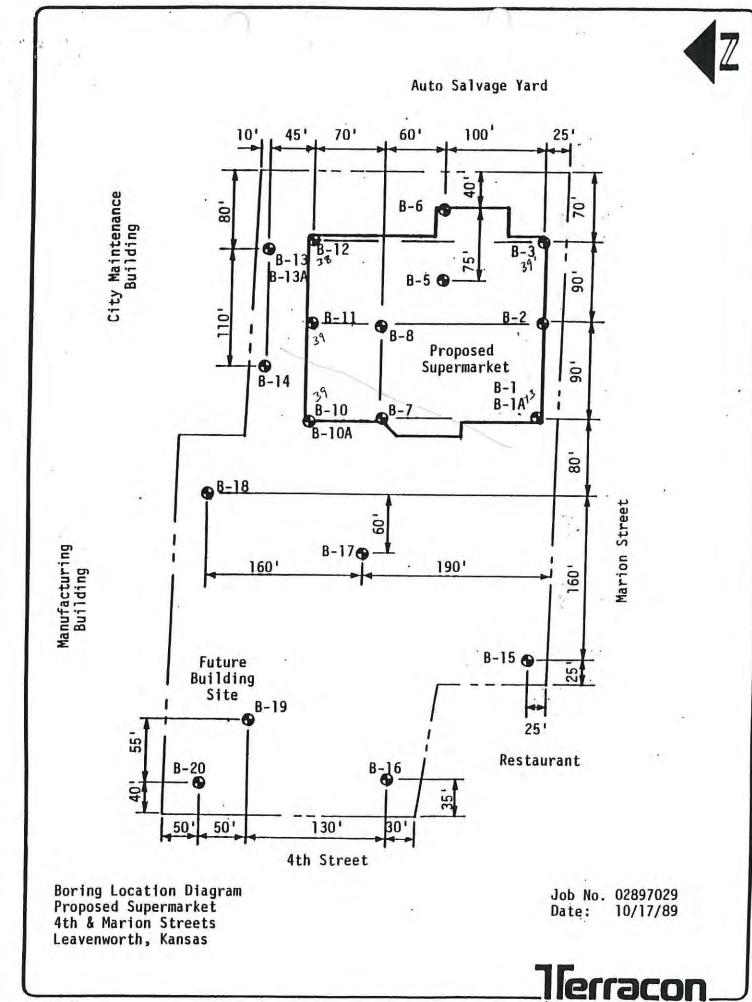
- Coefficient of at-rest earth pressure = 0.42
- Units of P., Pa in psf
- Horizontal Backfill
- Wall Backfill compacted to 95 percent of Standard Proctor maximum dry density
- In-situ soil weight
- No safety factor included

Proposed Supermarket Fourth & Marion Streets Leavenworth, Kansas Job No. 02897029

- Uniform surcharge
- Negligible wall friction
- No ground water acting on wall
- Loading from heavy compaction
- equipment not included - No wall rotation

_l[erracon

Form 125



GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS	:	Split Spoon - 1%" I.D., 2" O.D., unless otherwise noted	PS	:	Piston Sample
ST	:	Thin-Walled Tube - 2" O.D., Unless otherwise noted	WS	:	Wash Sample
PA	:	Power Auger	FT	:	Fish Tail Bit
HA	:	Hand Auger	RB	:	Rock Bit
DB	:	Diamond Bit - 4", N, B	BS	:	Bulk Sample
AS	:	Auger Sample	PM	:	Pressuremeter
HS	+	Hollow Stem Auger	DC	:	Dutch Cone
			WB	:	Wash Bore

Standard "N" Penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch OD split spoon, except where noted.

WATER LEVEL MEASUREMENT SYMBOLS:

WL	:	Water Level	WS	:	While Sampling
WCI	:	Wet Cave In	WD	:	While Drilling
DCI	:	Dry Cave In	BCR	:	Before Casing Removal
AB	:	After Boring	ACR	:	After Casing Removal

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of ground water levels is not possible with only short term observations.

DESCRIPTIVE SOIL CLASSIFICATION:

Soll Classification is based on the Unified Soll Classification System and ASTM Designations D-2487 and D-2488. Coarse Grained Solls have more than 50% of their dry weight retained on a #200 sleve; they are described as: boulders, cobbles, gravel or sand. Fine Grained Solls have less than 50% of their dry weight retained on a #200 sleve; they are described as: clays, if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse grained solls are defined on the basis of their relative in-place density and fine grained solls on the basis of their consistency. Example: Lean clay with sand, trace gravel, stiff (CL); silty sand, trace gravel, medium dense (SM).

CONSISTENCY OF FINE-GRAINED SOILS:

Unconfined Compressive Strength, Qu, psf

rengin, Qu, psi	Consistenc
< 500	Very Soft
500 - 1,000	Soft
1,001 - 2,000	Medlum
2,001 - 4,000	Stiff
4,001 - 8,000	Very Stiff
8,001 -16,000	Hard
> .16,000	Very Hard

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term(s) (of Components Also Present in Sample)	Percent of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

RELATIVE PROPORTIONS OF FINES

Descriptive T of Componen Present in Sa	Is Also
Trace	
With	
Modifier	

Percent of Dry Weight < 5 5 - 12 > 12

RELATIVE DENSITY OF COARSE-GRAINED SOILS: N-Blows/ft. Relative Density

DIOWSIII.	neiative Density
0.3	Very Loose
4-9	Loose
10-29	Medium Dense
30-49	Dense
50-80	Very Dense
80 +	Extremely Dense

GRAIN SIZE TERMINOLOGY

Major Component Of Sample	Size Range
Boulders	Over 12 in. (300mm)
Cobbles	12 in. to 3 in. (300mm to 75mm)
Gravel	3 in. to #4 sieve (75mm to 4.75mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt or Clay	Passing #200 sleve (0.075mm)

erraco

GENERAL NOTES

Sedimentary Rock Classification

DESCRIPTIVE ROCK CLASSIFICATION:

Sedimentary rocks are composed of cemented clay, silt and sand sized particles. The most common minerals are clay, quartz and calcite. Rock composed primarily of calcite is called limestone; rock of sand size grains is called sandstone, and rock of clay and silt size grains is called mudstone or claystone, siltstone, or shale. Modifiers such as shaly, sandy, dolomitic, calcareous, carbonaceous, etc. are used to describe various constituents. Examples: sandy shale; calcareous sandstone.

LIMESTONE Light to dark colored, crystalline to fine-grained texture, composed of CaCo₃, reacts readily with HCI.

DOLOMITE Light to dark colored, crystalline to fine-grained texture, composed of CaMg(CO₃)₂, harder than limestone, reacts with HCI when powdered.

CHERT Light to dark colored, very fine-grained texture, composed of micro-crystalline quartz (SI0₂), brittle, breaks into angular fragments, will scratch glass.

SHALE Very fine-grained texture, composed of consolidated silt or clay, bedded in thin layers. The unlaminated equivalent is frequently referred to as siltstone, claystone or mudstone.

SANDSTONE Usually light colored, coarse to fine texture, composed of cemented sand size grains of quartz, feldspar, etc. Cement usually is silica but may be such minerals as calcite, iron-oxide, or some other carbonate.

CONGLOMERATE Rounded rock fragments of variable mineralogy varying in size from near sand to boulder size but usually pebble to cobble size (1/2 inch to 6 inches). Cemented together with various cementing agents. Breccia is similar but composed of angular, fractured rock particles cemented together.

DEGREE OF WEATHERING:

SLIGHT Slight decomposition of parent material on joints. May be color change.

MODERATE Some decomposition and color change throughout.

HIGH Rock highly decomposed, may be extremely broken.

Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

erraco

OWNER		LOG OF BOR	ARCI			1					Page	l of
	FOUR B CORPORAT		FR	AN				E-BO	ICE /	ARCH	ITECTS	s, inc
TE	4th AND MARION STR LEAVENWORTH, KAN		PROJ	ECT	1	PRO	POS	ED SI	IPER	MAR	KET	
T			1	T			PLES					
GRAPHIC LOG	DESCRIPTION Surface Elev.: 98.3 (t. 2" TOPSOIL		DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
	FILL, Silty Lean Clay, Tra					PA			1			
	Roots, Gravel, Cinders, Brick, Dark Gray Brow		1		1	ST	16		23.5	91	2000* 6500*	
3.	j	94.8	-		2	ST	13		19.3	100		
	SILTY LEAN CLAY, Bro Gray Brown, and Yello		5-						22.8	104	6380	
	Very Stiff to Medium v depth					PA						
			3									
			1	CL	3	ST	12		20.4	104	4470	
			10-			PA				-		
			The second									
	(Silt and Sand Seams Below	15)		CL	4	ST	22		26.8	95	1780	
			15-	-	-	PA	-	-	- 59	-		
18.0		80.3	1.1.1						_			
20.0	<u>SILTY LEAN CLAY</u> , Gray Medium	, , <u>⊽</u> 78.3	20	CL	5	ST	15		30.8	93	1070	
	BOTTOM OF BORING											
WATE	ICATION LINES REPRESENT THE APPR L AND ROCK TYPES: IN-SITU, THE R LEVEL OBSERVATIONS	TRANSITION MAY BE GR.	ADUAL .			-		orated			meter*	89
¥ 1	20.0' W.S. ¥ NONE A.B.	Terra				BC		COMP		-	10-2-	
1						RI	G	CME	55	FOR	EMAN	RK

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WN			ARCH	ITEC	T/EN	GINE	ER					e 1 of
,	FOUR B CORPORATION		_		LIN	-FR	IEZ	E-BO	ICE /	ARCH	IITECT	S, IN
ITE	41h AND MARION STREETS Leavenworth, Kansas		PROJE	ECT	P	RO	POS	ED SU	PER	MAR	KET	
	DESCRIPTION		DEPTH (FT.)	USCS SYNBOL	NUMBER	SAM	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	RY DENSITY	UNCONFINED STRENGTH PSF	
5	Surface Eley.: 98.3 ft.		ă	5	ž	7	R	5	F	PCF → PCF	368	
	3" TOPSOIL <u>FILL</u> , Silty Lean Clay, Trace Concrete, Cinders, and Brick, Brown and Dark Gray Brown		5			PA						
*	7.0	91.3	-									
	SILTY LEAN CLAY, Brown		111									
			10					47				
	(Moist @ 15.0)		- - - - - - - - -									
	с¥.			í,								
2	₩2.5	75.8	20									
	SILTY LEAN CLAY, Trace Sand, Gray, Moist	-	25									
1	Continued Next Page		-					-				
	ATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDA SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY						Cali	brated	Hand I	Penetro	ometer*	
-	ATÉR LEVEL OBSERVATIONS			-		BC	RING	START	ED	-	10-4	-89
¥	20.0' W.D. ¥ 25.0' A.B.		_	_	_	BO	RINC	G COMP	LETEI) .	10-4	
1	20.0° W.D. ¥ 25.0' A.B.	12				RI	G	CME	55	FOR	REMAN	RH
1		-					PRO		BEB	JOB	# 02	89702

OWNER	FOUR B CORPORATION	ARCH					E-BO	ICE A	ARCH	HITECTS	S, INC	
SITE	4th AND MARION STREETS LEAVENWORTH, KANSAS	PROJ	ECT			DOC		IDED	MAD	VET		
-f-	LEAVENWORTH, RANSAS	PROPOSED SUPERMARKET										
GRAPHIC LOG	DESCRIPTION	DEPTH (FT.)	USCS SYNBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF		
	SILTY LEAN CLAY, Trace Sand, Gray, Moist (Continued)	30								-		
42.	(Trace Limestone Gravel @ 41.0') 55.8 +++APPARENT LIMESTONE /	40										
Ĩ	BOTTOM OF BORING AUGER REFUSAL at 42.8' All descriptions taken from driller's field logs. ** Classification estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.											
	ICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN IL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR					Cali	brated	Hand I	Penetr	ometer*		
WATI	R LEVEL OBSERVATIONS				BC	RING	STAR	TED		10-4-	89	
r₿	20.0' W.D. ¥ 25.0' A.B.				BC	1.24	G COMP	LETE	D	10-4-	89	
L	20.0' W.D. ¥ 25.0' A.B.][erra	JC	U		RI	G	СМЕ	55	FO	REMAN	RK	
L			200	100		PRO	IGD .	BEB	JOL	. 020	97029	

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OWN	FOUR B CORPORATION					INEER FRIEZE-BOICE ARCHITECTS, INC.						
SITE			JECT				ED SI			it out		
GRAPHIC LOG	DESCRIPTION Surface Elev.: 95.6 ft.	DEPTH (FT.)	USCS SYHBOL	NUMBER	SAL	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, %	DRY DENSITY PCF	CNCONFINED STRENGTH PSF		
	2" TOPSOIL LEAN CLAY, Dark Brown, Very 2.0 Stiff 93.6		CL	-1	PA ST	9		20.1	106	7500*		
	<u>LEAN CLAY</u> , Brown, Gray Brown, Trace Dark Gray Brown, Very Stiff	5-	CL	2	ST	24		21.7 24.6	103	7000* 4500*		
	7.0 88.6											
	SILTY LEAN CLAY, Brown and Gray Brown, Mottled, Very Stiff to Hard	10-	CL	3	ST	7		15.1	102	9000*		
	(Dry @ 8.0')	10-			PA			4				
	15.0 80.6	15-	CL	4	ST	12		21.6	103	7500*		
	BOTTOM OF BORING							•				
	RATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN N SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR					Cali	brated	Hand I	Penetro	ometer*		
	VATER LEVEL OBSERVATIONS				_		G STAR	prevand		10-2-89	_	
L ¥ L	NONE W.S. ¥ NONE A.B.	ÐC	0		R	IĢ	СМЕ			REMAN RH	<	
L		-			A	PPRO	VED	BEB	JOI	0289702	9	

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	LOG OF	ROK	NG	NO). [8-3				-	Pag	e 1 of 2		
OWNER '	RATION						GINEER -FRIEZE-BOICE ARCHITECTS, INC.							
SITE 4th AND MARION			PROJE		- B- B I V	4.84								
LEAVENWORTH,	KANSAS				F		201	ED SI	JPER	MAR				
						SAM	PLES				TESTS			
2 2			(FT.)	ğ				Ė	×	È	8			
	TION		5	SYMBOL			ž	z١	HOISTURE,	DENSIT	UNCONFINED STRENGTH PSF			
DESCRIP DESCRIP C C Surface Eley.: 95.6 (t.			Ŧ		NUMBER	w	RECOVERY	SPT -	E	1.11	NU			
Surface Elev.: 95.6 ft.			DEPTH	SSS	5	TYPE		52	Ę	Y NOT	N H S			
5" TOPSOIL			-	-	-	PA		V/ 84	-		300			
15 SILTY LEAN CLAY.	, Trace	94.1	- 4											
Roots, Dark Brown	n /		1			1								
			-							112				
SILTY LEAN CLAY.	Brown and		4				8.1							
Gray, Mottled			1				0.13		1					
			5-											
			4			10		3						
			1											
			-						1.1					
			1						Ł.					
			10-				1.0							
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			1		6									
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			1											
			1						1 0					
			-											
			1				9.1			6				
			1						1.10					
		1.1.1	20-											
21.0	¥	74.6	-											
			-											
SILTY LEAN CLAY,			-											
Sand, Gray Trace I Gray	biown to		1					200	1	-				
			1	CL	1	ST	14		35.0	87	3380			
	¥	-	25-			e y			5 (
Cantlewed N	avt Bass		1	_			-	1.1.1		-				
Continued Ne	the state of the s	IDARY LINI	ES		-		Cali	brated	Hand	Penetr	ometer*			
STRATIFICATION LINES REPRESENT TH		AV DE CO	ADUAL								2.2			
THEEN SOIL AND ROCK TYPES: IN-SITU	U, THE TRANSITION H	WI DE GN	apone i	-		10	on	0 m	TTO		10 4	00		
WATER LEVEL OBSERVATIONS	U, THE TRANSITION H					-	22.962	G STAR		D	10-4			
E STRATIFICATION LINES REPRESENT TH TWEEN SOIL AND ROCK TYPES: IN-SITU WATER LEVEL OBSERVATIONS L ¥ 21.0' W.D. ¥ 25.0'	A.B. The TRANSITION P) –	-	22.962	G STAR G COM CME	PLETE		10-4 10-4 REMAN			

						L	OG OF BOF	RING	NO). E	3-3			-		Page	2 of 2
OŴ	IER '	F	OUR	BC	ORPOR	ATIO	N	ARCH FR.	TECANK	T/EN	-FR	ER IEZ	E-BOI	CE A	ARCH	IITECT	S, INC.
SITE	1	4th	AND	MA	RION	STRE	ETS	PROJ	ECT	P	ROI	POS	ED SU	PER	MAR	KET	
	-	1.4	AYEI	NWC	DRTH,	AND	AG	1		Ċ	10000	PLES				TESTS	
BRAPHIC LOG				D	SCRIPT	ION		DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
	39.0	Sa G (Trac ***Al 3º BOT AUC All c fi ** C d au r(ce Lin PPAR 9.0' TOM JER H lescrip ield lo lassifi isturb nd per eveal	nest ENT OF REF ption gs. icati icati icati othe	on estin amples. raphic a r rock t	vel @ STON G at 39.0 from nated 1 Core nalysi ypes.	to 37.5') E @ 56. , driller's from samples s may				PA				d Pene	trometer*	
THE	REH SO	L AND	ROCK T	YPĘS	: 14-\$11	HE APPI	ROXIMATE BOUNDARY TRANSITION MAY BE	GRADUAI		_	-		NG STA				4-89
-	1000	11	W.D.		ATIONS 25.0'	A.B.					-	2.202	NG CON				4-89
WL WL	¥	21.0'	w.D.	-	25.0	А.В.	Tern	12	=(RIG	СМ	E 55	· P	OREMAN	RK
WL												APPR	OVED	BE	1 1	OB # 0	2897029

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OWN	FOUR B CORPORATION	ARCI					E-BO	ICE A	ARCH	IITECT	S, INC.
SITE	4th AND MARION STREETS Leavenworth, Kansas	PROJ	ECT	I			ED SI	JPER	MAR		
GRAPHIC LOG	DESCRIPTION Surface Eley.: 97.0 ft.	DEPTH (PT.)	USCS SYNBOL	NUMBER	SAM Ba	RECOVERY A	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH	
	4" TOPSOIL <u>LEAN CLAY</u> , Trace Roots, Brown and Gray Brown, Very Stiff 94.0		CL	1	PA ST	24		22.0	101		Atterbe Limits: LL = 4:
	SILTY LEAN CLAY, Brown, Gray Brown, and Dark Brown, Stiff to Medium with depth	5-	CL	2	PA ST	8		25.9	98	3000*	PL = 19 PI = 26
	(Moist @ 8.0')		CL	3	PA ST	19			97	2000*	
		10			PA		Ē				
	13.084.0SILTY LEAN CLAY, GrayTrace Brown, Medium15.082.0		ĊĹ	4	ST	20		28.7 27.9	93	1500* 1000*	
	BOTTOM OF BORING							-4			
TWEE	RATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN N SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR VATER LEVEL OBSERVATIONS	ADUAL.		_	In		G STAR		Penetr	ometer*	-89
12							G COM		D	10-2	
	NONE W.S. ¥ NONE A.B.	DC			R	IG	СМЕ	55	FO	REMAN	RK
6			1.1		A	PPRO	VED	BEB	JOI	s# 02	897029

NWG	FOUR B CORPORATION	ARCI FR					E-BO	ICE	ARCH	IITECTS, INC
TTE	415 AND MARION STREETS LEAVENWORTH, KANSAS	PROJ						JPER		
T			T			PLES		T		TESTS
GRAPHIC LOG	DESCRIPTION Surface Elev.: 96.7 ft.	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF
	5" TOPSOIL <u>FILL</u> , Lean Clay, Trace Gravel, 2.0 Dark Brown 94.7	-	_	1	PA ST	9		22.5	104	6500*
						$\{ J \}$			11.1	
	<u>SILTY LEAN CLAY</u> , Brown Trace Gray to Brown and Gray, Very Stiff to Hard		CL	2	ST	6		22.4	104	7000*
		5			PA					
								~		
			CL	3	ST	7		18.0	106	9000*
		10-							4	
					PA		Ð	5.2		
		1111	CL	4	ST	6	-	19.8	100	8000*
		15-	8				ie.			
		-			PA	T.		9		
	18.0 78.7	-								
	FAT CLAY, Brown, Trace Dark	-	СН	5	ST	14		33.6	88	4000*
	Gray Brown and Gray, Stiff to Very Stiff	20-	-		PA	-			-	
	(Silty Lean Clay with Sand Seams,	1								
	Gray and Light Brown @ 22 to 24')	-	СН	6	ST	19		31.2 36.3	86	3000* 4500*
2	25.0 71.7	25-	_		-	-				
	BOTTOM OF BORING		-						_	
WEEN	ATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR								Penetro	ometer*
W ¥	ATER LEVEL OBSERVATIONS 22.0' W.D. 22.5' A.B.				-		STAR	TED		10-4-89
* *	22.0' W.D. ¥ 22.5' A.B. Terra	76			RI		CME		-	REMAN RK
			A			PRO		BEB	JOR	

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DWNE	FOUR B CORPORATION	Í						E-BO	ICE A	RCH	ITECTS, INC
ITE	4th AND MARION STREETS LEAVENWORTH, KANSAS	F	ROJ	ECT	T	PRO	POS	ED SL	IPFR	MAR	KET
T	LEAVENWORTH, RANSAS				-		PLES				TESTS
GRAPHIC LOG	DESCRIPTION Surface Eley.: 97.0 ft.		DEPTH (FT.)	USCS SYNBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF
	2" TOPSOIL LEAN CLAY, Trace Roots,		1	CL	1	PA ST	24		23.4	103	4000*
	Brown, Dark Brown and Gray Brown Very Stiff			CL	1	31	24		23.4	105	4000
	3.0 brown, yery Sint	94.0	1	CL	2	ST	7		24.5	100	5000*
	SILTY LEAN CLAY, Brown,		+								
	Light Gray Brown, Trace Dark Gray Brown, Medium to Stiff		5			PA					1.4.1
	Gray Brown, Medium to Stirr										
	A		-								
			1.1.1	CL	3	ST	18		26.7	97	2500*
			10-						27.3		2000*
			1			PA			-		
			1 L					*	13		
	(Moist @ 13.0')		14	CL	-	ST	24		29.2		1500*
			1.1	CL.	1		24	;	27.7	97	3500*
1	5.0 TOM OF BORING	82.0	15-	-	-		-			_	
E STR	ATTIFICATION LINES REPRESENT THE APPROXIMATE BOUND	DARY LINES					Cal	brated	Hand	Penetr	ometer*
-	SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION WA	AT BE GRAD	UAL.			В	ORIN	G STAR	TED '		10-2-89
. ¥							_	G COM		D	10-2-89
	15.0' W.S. ¥ NONE A.B.	rra				R	10	CMI	E 55	FO	REMAN RK
			- Contra	1.50		A	PPRO	VED	BEB	JOL	02897029

OWN	FOUR B CORPORATION	ARCI					E-BO	ICE A	ARCH	IITECTS, INC
TE		PROJ						UPER		
GRAPHIC LOG	DESCRIPTION Surface Eley.: 97.7 ft.	DEPTH (FT.)	USCS SMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	TESTS H H B S H S H S H S H S H S H S H S H
	2" TOPSOIL <u>LEAN CLAY</u> , Dark Gray 2.0 Brown, Very Stiff 95.7	-	CL	1	PA ST	12		23.4 24.4	102 101	(1.107) 3 (
	<u>SILTY LEAN CLAY</u> , Brown and Gray Brown, Trace Dark Gray Brown, Medium to Stiff		CL	2	ST	Π		24.3	101	3500*
		5			PA		4-	e1		
			CL	3	ST	15		26.4 25.8	98	2500* 1500*
		10			PA		4			
	(Moist @ 13.0') 15.0 82.7		CL	4	ST	20		29.4	94	2000*
	BOTTOM OF BORING	15—						я		
HEE	RATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN N SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR WATER LEVEL OBSERVATIONS	ADUAL .			100	ORIN	lbrateg G STAR G COM	RTED		rometer* 10-2-89 10-2-89
12	NONE W.S. VINONE A.B.							PLATE		10-/-**

WNEP	FOUR B CORPORATION	ARCH	TEC	T/EN	GINE	ER	E-BO		RCH	ITECT	S. IN
TE	4th AND MARION STREETS LEAVENWORTH, KANSAS	PROЛ					ED SL	11			
-	LEAVENWORTH, RANSAS			-		PLES				TESTS	
	DESCRIPTION Surface Elev.: 96.7 ft.	DEPTH (PT.)	USCS SYNBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
8	2" TOPSOIL	-			PA			5-5			
8		112	1	1	ST	6		21.3	103	7000*	
8	FILL, Lean Clay, Trace Sand and	1	S					3.24			
8	Gravel, Trace Glass, Brick, Wood and Metal, Dark Gray	1	1.1	2	ST	12		23.8	97	3500*	
8	Brown, Brown, and Gray Brown	4	11	. 7				17.5		2000*	
0000		5-			PA						
		1	21								
		-	1			- 2					
		1		3	ST	3		22.0		3000*	1
		-			PA	-					
		10-									
		-									
		-									
	¥	1		4	ST	9		30.6	93	2000*	-
		1						33.1		1500*	
	¥	15-			PA		4 1				
1	6.5 80.2	10									
	SILTY LEAN CLAY, Trace	-			1.0	(- 1) 					1
	Sand, Dark Gray, Soft	-	CL	5	ST	24		32.6	85	540	3" ST
2	0.0 76.7	-					ά.	:			1
1-	BOTTOM OF BORING	20-								*	
						1					
			X.							5	
				$ \cdot \rangle_{ij}$							
Ļ					1		lheat		Denot		
STRA	TIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LI SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE G	RADUAL.				Cal	IDrated	DUBH 1	reneti	rometer*	
-	TER LEVEL OBSERVATIONS					S. 22. S.	G STA			19.5	3-89
¥	15.5' W.D. ¥ 13.5' A.B.][err						IG COM				3-89
						JG	C11.41	E 55	100	REMAN	R

	LOG OF BORI	NG N	0.	B		A				Pag	e 1 of 2
OW	FOUR B CORPORATION	ARCH	TEC	T/EN	IGINI	ER IEZ	E-BO	ICE A	RCH	10.5	S, INC.
SITT		ргол					ED SL	1			
GRAPHIC LOG	DESCRIPTION Surface Flay: 96 7 ft	DEPTH (FT.)	USCS SYMBOL	NUMBER	SAM JAPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH	
	Surface Elev.: 96.7 ft. 2" TOPSOIL FILL, Lean Clay, Trace Brick, Concrete and Wood, Dark Gray and Gray Brown 7.0 89.7 7.5 6" CONCRETE SLAB SILTY LEAN CLAY, Dark Gray Brown, Moist 16.0 80.7 SILTY LEAN CLAY, Trace Sand, Gray Brown to Gray				PA					2004	
	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LI EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE G	NES RADUAL.				Cal	ibrated	Hand	Penetr	ometer*	
	WATER LEVEL OBSERVATIONS				-		G STAR			10-4	
-	¥ 15.0' W.D. ¥ 18.0' A.B.	ar	'n		B	ORIN IG	G COM			10-4 REMAN	I-89 RK
NL NL					A	PPRO		BEB	IOL		2897029

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• ¹	t .	LOG OF BOF	RING N	0.	B	-10	A				Pag	e 2 of
OWNE	FOUR B CORPOR	RATION	ARCH					E-BO	ICE	ARCH	UTECI	S, INC
SITE	4th AND MARION : LEAVENWORTH,	STREETS	PROJ				15	ED SL				
T							PLES		I EN		TESTS	
GRAPHIC LOG	DESCRIPT	ION	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
	<u>SILTY LEAN CLAY,</u> Sand, Gray Brown (Continued)		30				£ 3					
_	(Trace Limestone Grav 8.3 8.5 **APPARENT LIMES	58										
	BOTTOM OF BORING AUGER REFUSAL at All descriptions taken fi field logs. ** Classification estima disturbed samples. C and petrographic an reveal other rock ty	38.5' from driller's ted from Core samples alysis may							Υ.			
	ATIFICATION LINES REPRESENT THE			_			Cali	brated	Hand F	enetro	ometer*	
-	SOIL AND ROCK TYPES: IN-SITU,	THE TRANSTITUM MAT BE	GRADUAL .			BC	RINC	STAR	TED	-	10-4	-89
¥	,	A.B.		_		1		COMP)	10-4	
		Terr	ac			RI	G	CME	55	FOR	EMAN	RK
1				1		AP	PROV	/ED	BEB	JOB	# 02	89702

WNER	LOG OF BOP		1.1.1.	1	NGIN			-		Pag
····	FOUR B CORPORATION						E-BC	DICE	ARCI	IITECT
TTE	4th AND MARION STREETS LEAVENWORTH, KANSAS	PRO	TECT					UPER	MAR	
		1.2.		-	IAR	IPLE:	3		1.0	TESTS
	DESCRIPTION	DEPTH (PT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF
3	Surface Elev.: 96.3 ft. 2" TOPSOIL	ā	5	Ž	HS	Ř	ភដ	Ē	āā	500
			1-			8		15.5	-	7000*
8	FILL, Lean Clay, Trace Roots,	1	-	1				1.5.5		1000
	Trace Sand and Gravel, Trace	-	-	2	ST	14		20.0	85	2500*
*	Brick, Wood and Concrete, Dark Gray Brown, Brown, Olive									4500*
*	Gray, and Gray Brown	5-	-	-	HS	-		-		
		-								
8		-								
			-	3	SS	6	33	19.6		
8		10								
8		10-			HS			1.2		
	₩ ¥					1		1 -	13	
8		1						1		
	(Odor @ 13.0')	1 2		4	SS	6	13	32.8	-	
8		1 2			HS					
16.	0 80.3	15-			нэ				÷.*	
	SILTY LEAN CLAY, Dark	1.2						3		
	Gray, Soft to Medium	-	CL	5	ST	17		27.4	97	500*
8										2000*
		20-			HS					
		=								
		-	-				,			
			CL	6	ST	14		22.6		1500*
		25-						33.0	91	1000*
8					HS	T				
	Continued Next Page	INCO		_			heat		Pacet	matart
STRAT	IFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY L DIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE	GRADUAL .				Cali	brated	Hand	renetr	ometer*
1.	ER LEVEL OBSERVATIONS						G STAF			10-3
¥	11.5' W.D. ¥ 11.0' A.B.	-	-		B	ORING	G COM	PLETE	D	10-4

ſ.,	LOG OF BORI	NG I	10	. 8	1-1	i				Pag	e 2 of 2
οŵ	FOUR B CORPORATION		ANH	T/EN	IGIN	EER	E-BO	ICE A	ARCH	IITECT	rs, inc.
SIT	E 4th AND MARION STREETS LEAVENWORTH, KANSAS	ркол	ECT	I	RO	POS	ED SI	JPER	MAR	KET	
					SAM	PLE	3	-	-	TESTS	
GRAPHIC LOG	DESCRIPTION	DEPTH (FT.)	uscs smeol	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
		1									
	<u>SILTY LEAN CLAY</u> , Dark Gray, Soft to Medium (Continued)			7	ST	0					3" ST; Two Attempts
	(Very Soft at Depths of Low Recovery)	30			HS				3 		
		1	CL	8	ST	3		38.2		0*	3" ST
		35-		÷	HS						
		111					3				
	38.0 58.3 38.9 **APPARENT LIMESTONE 57.4	111		9	SS	0	50/0"		_		Bouncing
	BOTTOM OF BORING AUGER REFUSAL at 38.9' ** Classification estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.										
THE	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINER SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR	RADUAL.		_					Penetr	ometer*	
	WATER LEVEL OBSERVATIONS				-		G STAR		D		3-89 4-89
WL	¥ 11.5' W.D. ¥ 11.0' A.B.		C		R	IG	CMI			REMAN	A
WL			2		A	PPRC	VED	BEB	OL	u# 0	2897029

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	LOG OF BORI	NG N	10.	B	-1)				Pag	elof 2
OWN	FOUR B CORPORATION	ARCH	NK	T/EN	-FR	ER	E-BOI	CE A	RCH	ITECT	S, INC.
SITE	4th AND MARION STREETS LEAVENWORTH, KANSAS	PROJE					ED SU		11.1	KET	
					SAM	PLES		-	_	TESTS	
GRAPHIC LOG	DESCRIPTION	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, %	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
0	Surface Elev.: 95.8 ft.	<u>u</u>	-	-	PA	-	V/ 84				
	1.0 FILL, Concrete 94.8 FILL, Lean Clay, Trace Gravel, Trace Brick and Wood, Dark Brown 94.8 12.5 ¥ 83.3	5 10 10			FA						
	SANDY LEAN CLAY, Dark Gray, Moist	15 15 20 20 25									
THE	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LI	NES				Cal	Ibrated	I Hand	Penet	rometer	
BETHE	EN SOLL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE G WATER LEVEL OBSERVATIONS	RADUAL .			E		IG STAL				4-89
-					B	ORIN	IG COM	PLETE	D	10-	4-89
WL	¥ 12.0' W.D. ¥ 15.0' A.B. Terr a	30	.C			UG	CM	E 55 BEB	_	REMAN	RK 2897029
WL					1	TRA	JAGD	DED	10	11 m ² U	107/019

		LOG OF BOR	ING N	10	B	-1.	د '	8			Page	2 of 2
OWN	FOUR B CORPORA	TION	ARCH	TEC	T/EN	-FR	ER IEZ	E-BOI	ICE A	ARCH	IITECT	S, INC.
SITE		FREETS	PROJE			RO	POS	ED SU			KET	
GRAPHIC LOG	DESCRIPTI	DN	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY	LESTS CUNCONFINED STRENGTH PSF	
	SANDY LEAN CLAY, Gray, Moist (Continued of the second of t	el @ 36.0') 58. <u>FONE</u> 58. 37.8' 'rom driller's ted from 'ore samples alysis may	30					*	•			
THE	STRATIFICATION LINES REPRESENT THE EEN SOIL AND ROCK TYPES: IN-SITU,	APPROXIMATE BOUNDARY THE TRANSITION MAY BE	LINES GRADUAL				_				trometer*	
	WATER LEVEL OBSERVATIONS							NG STA				4-89
WL	₩ 12.0' W.D. ¥ 15.0'	A.B.		-			2.00	NG COM				4-89
WL		<u> 16rr</u>	30	_(RIG	CM	E 55		OREMAN	RK 2897029
WL				-		_	APPR	OVED	DE		UD# 0	2031023

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-		LOG OF BOR	ING I	NO	. B	-1	3				Pag	e 1 of 1
OW	FOUR B CORPO	RATION	ARCH					E-BO	ICE 4	RCH	UTECT	S, INC.
STI		STREETS	PROJ			RO	POS	ED SL	100		KET	
GRAPHIC LOG		TON	DEPTH (FT.)	USCS SYMBOL	NUMBER	SAM	RECOVERY a	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
	FILL, Lean Clay, Tray Wood and Rubble, Dark Gray Brown	Brown and ¥ 81.3 3	5 			PA						
THE S BETW	STRATIFICATION LINES REPRESENT TH EEN SOIL AND ROCK TYPES: IN-SITU	E APPROXIMATE BOUNDARY LI , THE TRANSITION MAY BE G	NES RADUAL.							Penetr	ometer*	
-	WATER LEVEL OBSERVATIONS					-	_	G STAR			9-29	
WL	₩ 11.8' W.S. ₩ 11.8'	1 Terr		П		BOR	IG	G COMP		1	9-29 REMAN	-89 RM
WL		# # \$ \$\$\$\$		-			PPRO		BEB	JOE		897029

1						L.	OG C	IF BU	DKIN	GN	υ.	B -	.1.					Pag	e 1 of 1
OWN	er '	F	OUR	BC	ORPO	RATI	ON			ARCH	NK	T/EN	-FR	ER IEZ	E-BO		ARCH	HITECT	S, INC.
SITE		4th	AND	MA	RION	STR	EETS			PROJ			RO	POS	ED SL	Har		KET	
GRAPHIC LOG	Su	rface	Eley.:			TION				DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	LESTS STRENGTH PSF	
	10.0	FILL Tr Br SILT	, Lea ace B own Y LE	AN OF	ay, Ti , Woo Dark <u>CLA</u>	d and Gray <u>Y</u> , Oliv	ravel, Rubbl Brown ve Gray	y ¥	86.3	5 			PA						
BETHE	EN SOI	L AND F	OCK T	PES:	IN-S	ITU, TH	PROXIMA E TRANS	TE BOUN	DARY LI Ay be g	NES RADUAL			-1		l Ibrate			trometer*	2-89
	1000	R LEVE	W.D.		15.0		-	F	-		-	-	-		NG CON	2000			2-89
WL		1.5		-				ſe					1	RIG	CM oved	E 55 BE	-	OREMAN	RK 2897029

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	(i)	LU	G OF BORI		-					-		Pag	e 1 of 1
OWN	FOUR	B CORPORATION		ARCIII FRA	NK	t/en LIN	-FR	IEZ	E-BOI	CE A	RCH	ITECT	rs, inc.
SITE	4th AND	MARION STREET	rs	PROJE						1.1			
	LEAVE	NWORTH, KANSA	S		-	P		PLES	ED SU	FER	VIAK	TESTS	
GRAPHIC LOG	Surface Elev.:	DESCRIPTION		DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
-	FILL, Lea Lean to and Gra and Ru Gray, a	n Clay, Silty Clay a Fat Clay, Trace Sa avel, Trace Brick, V bble, Dark Brown, nd Gray Brown	und Wood	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			PA		-				
	<u>IO.0</u> <u>SILTY LE</u> Sand, C	<u>AN CLAY,</u> Trace Dive Gray		10 									
	19.5 BOTTOM All descrij field lo	OF BORING otions taken from d gs.	77.1 Iriller's										
BETWE	EN SOIL AND ROCK T	S REPRESENT THE APPRO YPES: IN-SITU, THE TI	KIMATE BOUNDARY LI RANSITION MAY BE G	NES RADUAL							l Penet	rometer	-2-89
	WATER LEVEL OBS							_	NG STA		FD		-2-89
	TRACE W.S.	¥	Terr a		-				NG CON				
WL			P P P					RIG	CM	E 55		OREMA	N RH

		OG OF BORI		1.1.1.1		-				_	Page	1 01
NWC	ER FOUR B CORPORATIO	N	ARCH FRA	TEC	LIN	-FR	ER IEZ	E-BO	ICE A	RCH	ITECT	S, INC
SITE	4th AND MARION STRE	ETS	PROЛ					ED SL				
1						SAM	PLES				TESTS	
GRAPHIC LOG	DESCRIPTION Surface Elev.: 100.8 ft.		DEPTH (FT.)	USCS SYNBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
***	FILL, Lean Clay and Sandy	Fat	-			PA						
*	Clay, Trace Sand and Gr 2.0 Trace Cinders and Brick,	avel, Yellow 98.8	-	1	1	ST	9		14.2	109	8500*	
軂	Brown and Red Brown								21.3		7000*	
	3.0 LEAN CLAY, Dark Brown,	97.8 Very	-	СН	2	ST	8		23.9	102	7500*	
	Stiff		-						1.			
	6.5 FAT CLAY, Dark Gray Bro Trace Brown, Very Stiff	own, 94.3	5			PA						
	8.0 FAT CLAY, Gray Brown	92.8	-									
	BOTTOM OF BORING		-									
		Х 						.1				
WE	TRATIFICATION LINES REPRESENT THE APPRI N SOIL AND ROCK TYPES: IN-SITU, THE	OXIMATE BOUNDARY LIN TRANSITION MAY BE GR	NES RADUAL .			In				Peneti	rometer*	-89
WE	N SOIL AND ROCK TYPES: IN-SITU, THE WATER LEVEL OBSERVATIONS	TRANSITION MAY BE GI	RADUAL				ORIN	(brate	RTED		rometer* 9-29 9-29	
WE	EN SOIL AND ROCK TYPES: IN-SITU, THE	OXIMATE BOUNDARY LII TRANSITION HAY BE GR	RADUAL				ORIN	IG STA	RTED	D	9-29	

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JWI	LOG OF BORI	ARCI	ITEC	T/EN	GIN	BER					1 of
	FOUR B CORPORATION	FR	ANK	LIN	-FR	ĮEZ	E-BO	ICE A	RCH	ITECTS	5, INC
ILE	4th AND MARION STREETS LEAVENWORTH, KANSAS	PROJ	ECT	F			ED SL	PER	MARI	KET	
GRAPHIC LOG	DESCRIPTION Surface Elev.: 104.3 ft.	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
	<u>FILL</u> , Lean Clay, Trace Gravel, Trace Wood, Brick, and Concrete, Dark Gray Brown			1	PA ST	5		18.8		3000*	
8	3.0 101.3	1 -			CT	22		24.4	98	3340	
	LEAN CLAY, Trace Roots, Dark Gray Brown and Brown, Stiff	5-	CL	2	ST	23		24.4	70	5540	
	Gruy Diown and Diown, our	_ =			PA						
Ű	7.0 97.3										
	8.0 FAT CLAY, Gray Brown 96.3 BOTTOM OF BORING	-				1		-			
						Ŧ		er -	e		
S	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LI EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE G	NES RADUAL.				Cal	Ibrated	- Hand	Penetr	ometer*	
HE	EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE G WATER LEVEL OBSERVATIONS	RADUAL .			-	ORIN	G STAF	TED		9-28	
HE	EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION HAY BE G	RADUAL .			-	ORIN	g staf g com	TED	D	2.000	

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	LOG OF BORI	NG	NO	. E	8-1	•				Pag	e 1 of 1
wo	FOUR B CORPORATION	ARCI FR					E-BO	ICE A	ARCH	IITECT	S, INC.
SIL	E 4th AND MARION STREETS LEAVENWORTH, KANSAS	PROJ	ECT	1	RO	POS	ED SI	UPER	MAR	KET	
					SAM	PLES	3			TESTS	
GRAPHIC LOG	DESCRIPTION Surface Eley.: 99.0 ft.	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, %	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
m	2" TOPSOIL	-			PA						2 7 7 1
	FAT CLAY, Trace Roots, Dark Gray Brown, Very Stiff	-	СН	1	ST	7		24.5	101		Atterber Limits: LL = 60
	4.0 95.0	-	СН	2	ST	9		24.4	101	6000*	PL = 23, $PI = 37$
	FAT CLAY, Gray Brown	5-	-	_	PA	_					
					10				11		
	8.0 91.0	-				-			1		
uu	BOTTOM OF BORING					1					
	[2] - M. L. Markell, M. M. Markell, M. M. M. Markell, M. M. Markell, Nucl. Nature, 199 (1998).										
								•			
									5		
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	5										
								C D			
		14		_				E.			
	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR					Cali	brated	Hand	Penetr	ometer*	
-	WATER LEVEL OBSERVATIONS		-		B	ORINO	G STAR	TED		10-2	-89
1.	VONE W.S. VONE A.B.				B	in the second		PLETE		10-2	
n	NONE W.S. ¥ NONE A.B.	키니	,U		R	G	CME		-	REMAN	RK
VL					A	PPRO	VED	BEB	101	3# 02	897029

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OWNE	FOUR B CORPORATION	ARCII FR/	ANK	LIN	-FR	IEZ	E-BO	ICE A	RCH	ITECT	S, IN
SITE	4th AND MARION STREETS LEAVENWORTH, KANSAS	PROJ	ECT	P	RO	POS	ED SL	PER	MARI	KET	
Т						PLES				TESTS	
GRAPHIC LOG	DESCRIPTION Surface Elev.: 98.5 ft.	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, %	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
1111	6" GRAVEL	-			PA						
	<u>FAT CLAY</u> , Dark Gray Brown, Very Stiff	1.1.1.1	СН		ST ST	24	j.	25.3 23.7	100	6000* 6500*	
	4.0 94.5		CI	2	31	11		25.1	102	0500	
	FAT CLAY, Trace Sand, Gray	5-	$[1, 1]_{i \in \mathbb{N}}$								
	Brown	111			PA		ch.				
	8.0 90.5										
- All	BOTTOM OF BORING										
						X	4				
BETWEEN	RATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN N SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR VATER LEVEL OBSERVATIONS	ADUAL .			-	ORIN	lbrated G STAF G COM	TED		-ometer* 10-2 10-2	
BETWEEN	N SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR VATER LEVEL OBSERVATIONS	ADUAL .			-	ORIN	G STAF	rted Plete	D	10-2	

'OWN	IFP'							OF BOR	ARCI								Pag	e 1 of 1
0.01	ųck					ORAT	and the second							E-BO	ICE	ARCI	IITECT	rs, inc.
SITE	6.11.1					N STE	REETS		PROJ	ECT			POS	ED SI	IPFD	MAD	KET	
									1	T			PLE			MAN	TESTS	
GRAPHIC LOG	Sur	face	Elev	.: 1	02.5 1	(PTION			DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF	
	1.5					ay, Br Brow		101.0		-	-	PA ST	15		23.6			
							ts, Dark					51	15		27.5	96	2320	
		Gr	ray l	Brow	vn, Sti	ff to V	ery Stiff			CL	2	ST	24		24.6	100	4160	Atterbe
	(More	o cla	y w	ith dep	oth)			5-						24.1			Limits: LL = 50
	6.5							96.0	-			PA						PL = 19 $PI = 31$
Ø																		
	5	Gr	ay I		n, Mo		wn and Medium		144	CL	3	ST	13		28.1	95	1930	
									10-	$\left \right $		PA				÷		
								¥	1				4					
Ø	13.0			-				¥ 89.5		CL	-	ST	24	-	31.9	91	780	
	<u>S</u> 15.0	ILTY Bro	LE own	EAN , Sol	CLA ft	¥, Gra	У	87.5		CL	-	31	24		51.5	71	760	
		отт	ОМ	OF	BORI	NG			15-									
														08	í.,			
											- 19							
								BOUNDARY LI					Cali	brated	Hand I	enetro	ometer*	
	ATER L	-	-	-								BC	RINC	STAR	TED		9-28	-89
W			-										-	_			- 441 - 272	1535
W L 꽃	12.	5' 1	W.S.	¥	11.0'	A.B.	17F		_	_	-	BC	RINC	G COMP	PLETEI)	9-28	-89
_	12.	5' \	W.S.	¥	11.0'	A.B.	76	2113	DC		Π	BC		CME		-	9-28 REMAN	-89 RM

OWN	FOUR B CORPORATION		ANI				E-BO	ICE A	ARCH	Page IITECT:
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-	LEAVENWORTH, KANSAS		1			PUS	ED SI	UPER	MAR	TESTS
GRAPHIC LOG	DESCRIPTION Surface Elev.: 104.6 ft.	DEPTH (FT.)	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	DRY DENSITY PCF	UNCONFINED STRENGTH PSF
	2" TOPSOIL <u>FILL</u> , Lean Clay and Silty Clay, <u>2.0</u> Trace Roots, Brick and Cinders, <u>102.6</u> Brown and Dark Gray Brown			1	PA ST	9		23.6	99	4500*
	LEAN CLAY, Trace Roots, Dark Gray Brown, Stiff	5-	CL	2	ST	10		25.2	98	3240
	6.0 98.6 SILTY LEAN CLAY, Brown and Gray Brown, Mottled, Stiff		CL	3	PA ST	13		22.2	101	3810
	13.0 ¥ 91.6	10-			PA					
	FAT CLAY, Gray Brown, Stiff (More Clay with Depth) 89.6		СН	4	ST	13		31.4 29.2	91 94	2840 3490
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UN TED SOIL CLASSIFICATION YSTEM

Celtori	a las Assistantes Course Courses		a state and the state is a state of the stat	50	Glassification
Citter	a for Assigning Group Symbol	s and Group Names Using	Caboratory lests"	Group Symbol	Group Name ^B
Coarse Grained Solls	Gravels	Clean Gravels	$Cu \ge 4$ and $1 \le Cc \le 3^E$	GW	Well-graded gravel ^F
More than 50% retained on No. 200 sleve	More than 50% of coarse fraction retained on	Less than 5% lines ^C	$Cu < 4$ and/or $1 > Cc > 3^{E}$	GP	Poorly graded gravel ^F
	No. 4 sleve	Gravels with Fines	Fines classify as ML or MH	GM	Slity gravel ^{F, G, H}
		More than 12% fines ^C	Fines classify as CL or CH	GC	Clayey gravel ^{F, G, H}
	Sands	Clean Sands	$Cu \ge 6$ and $1 \le Cc \le 3^{E}$	SW	Well-graded sand
	50% or more of coarse fraction passes	Less than 5% lines ^E	Cu < 8 and/or 1> Cc > 3 ^E	SP	Poorly graded sand
	No. 4 sleve	Sands with Fines	Fines classify as ML or MH	SM	Silly sand ^{G, H, I}
		More than 12% fines ⁰	Fines classify as CL or CH	SC	Clayey sand ^{G, H, I}
Fine-Grained Solls	Silts and Clays	Inorganic	PI > 7 and plots on or above "A" line ^J	CL	Lean clay ^{K, L, M}
50% or more passes the No. 200 sleve	Liquid limit less than 50		PI < 4 or plots below "A" line ^J	ML	SIII ^{K, L, M}
		organic	Liquid limit - oven dried < 0.75	OL	Organic clay ^{K, L, M, N}
			Liquid limit - not dried	UL	Organic silt ^{K, L, M, O}
	Slits and Clays	Inorganic	PI plots on or above "A" line	СН	Fat clay ^{K, L, M}
	Liquid limit 50 or more		PI plots below "A" line	мн	Elastic sill ^{K, L, M}
		organic	Liquid limit - oven dried < 0.75	он	Organic clay ^{K, L, M, P}
			Liquid limit - not dried	011	Organic sill ^{K, L, M, Q}

Highly organic soils

*Based on the material passing the 3-in. (75-mm) sleve.

⁸If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

CGravels with 5 to 12% lines require dual symbols:

GW-GM well-graded gravel with silt GW GC well graded gravel with clay GP GM poorly graded gravel with silt GP GC poorly graded gravel with clay

^DSands with 5 to 12% lines require dual symbols:

SW-SM well-graded sand with silt SW-SC well-graded sand with clay SP-SM poorly graded sand with silt SP-SC poorly graded sand with clay Primarily organic matter, dark in color, and organic odor

$$Cu = D_{60}/D_{10}$$
 $Cc = \frac{(D_{30})}{D_{10}} \times$

E

D 60 FII soll contains ≥ 15% sand, add "with sand" to group name.

^aIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

"If fines are organic, add "with organic fines" to group name.

'Il soll contains ≥ 15% gravel, add "with gravel" to group name.

'Il Atterberg limits plot in shaded area, soll is a CL-ML, silly clay.

KII soll contains 15 to 29% plus No. 200, add "with sand" or "with gravel", whichever is predominant.

PT

Peat

Soil Classification

LII soll contains ≥ 30% plus. No. 200 predominantly sand, add "sandy" to group name.

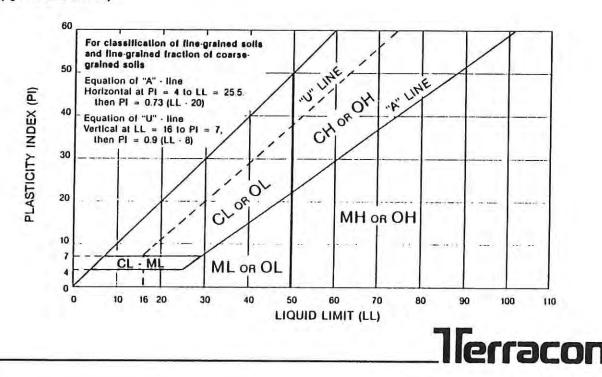
MII soll contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

NPI ≥ 4 and plots on or above "A" line.

^OPI < 4 or plots below "A" line.

PPI plots on or above "A" line.

OPI plots below "A" line.



Form 111--6 85

ENVIRONMENTAL ASSESSMENT - PHASE II PROPOSED SUPERMARKET SITE LEAVENWORTH, KANSAS

PROJECT NO. 50895161

DECEMBER 26, 1989

lerraco

December 26, 1989

Mr. Bill White Four B Corporation 5300 Speaker Road Kansas City, Kansas 66106

> RE: Environmental Assessment - Phase II Proposed Supermarket Site Leavenworth, Kansas Project No. 50895161

ENVIRONMENTAL, INC.

James A. Cunningham, PL John F. Hartwell, PE Robert L. Shokir

Stephen F Loosbrock Robert L. Fine II

David M Beem, CIH

Thomas E Harvey

Michael S Kukuk

Kansas City, Missouri 64190-1541

7810 N W 10000 PO Box 901541

(816) 891-7717

Dear Mr. White:

Enclosed herein is Terracon Environmental's report on the shallow soils and groundwater assessment performed at the proposed Supermarket site located in Leavenworth, Kansas. This limited intrusive assessment was performed as a result of information obtained during a previous Phase I assessment of the site. The primary focus of this work was to assess subsurface conditions to help determine whether potential off-site contaminant sources may have adversely impacted the area of study.

We appreciate the opportunity to be of service to Four B Corporation on this project. If there are any questions concerning this report, or if we may be of further service to you, please do not hesitate to contact us at 816/891-7717.

Sincerely,

TERRACON ENVIRONMENTAL, INC.

Minda a. Tumbleson

Melinda A. Tumbleson Project Geologist

B.but R.

Robert L. Fine II Project Manager

MAT/RLF:ro MT(28)B3

Offices of Terracon Companies:

Colorado: Ft. Collins I Iowa: Cedar Falls, Cedar Rapids, Davenport, Des Moines, Storm Lake IIIlinois: Bloomington, Naperville, Rock Island Kansas: Lenexa, (Greater Kansas City), Topeka, Wichita III Minnesota: St. Paul III Missouri, Kansas City III Nebraska: Onaha Oklahoma: Oklahoma City, Tulsa

Environmental Engineers and Scientists

Terracon

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FIGURES

Figure 1. Well Location Diagram Figure 2. Monitor Well Design

APPENDICES

Appendix I Boring Logs Appendix II Analytical Data

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i.

ENVIRONMENTAL ASSESSMENT - PHASE II PROPOSED SUPERMARKET SITE LEAVENWORTH, KANSAS PROJECT NO. 50895161

1.0 INTRODUCTION

1.1 Background

This report presents the results of an intrusive environmental assessment of the tract of land located at the northeast corner of 4th and Marion Street in Leavenworth, Kansas. The assessment was completed in accordance with our proposal dated November 14, 1989.

1.2 Project Objective and Scope of Services

Information obtained during a Phase I environmental assessment of the subject property revealed that potential contaminant sources exist to the north, east and southeast of the site. As such, the intrusive assessment activities were designed to assess for potential shallow soil and groundwater contamination on the site as a result of possible migration from these off-site sources. The scope of work for this assessment included the following activities:

- installation of six groundwater monitor wells located along the perimeter of the property;
- field characterization of soil samples collected from each of the six monitor well boring locations;
- laboratory analysis of shallow soil samples collected from two monitor well boring locations;
 - laboratory analysis of groundwater collected from the monitor well locations;
 - collection of three discrete shallow soil samples along the east property line for total petroleum hydrocarbon and lead analysis; and,
 - ^o a final report detailing the work performed and summarizing the results.

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2.0 SITE DESCRIPTION

Two houses, a furniture store and two small sheds are located on the site. However, the subject property is primarily undeveloped with a majority of the site being tree and grass covered. An unimproved road, referred to as Third Street, runs through the center of the site allowing access to properties to the north. An abandoned railroad line is evident running along the east side of Third Street. Attached as Figure 1 is a site diagram.

The property slopes very gradually from the west to the east with approximately a six foot drop in elevation across the site. Surface drainage is generally to the east toward Five Mile Creek. Where the site is divided by 3rd Street, drainage is directed south toward Marion Street.

2.1 General Area

d m

Adjacent properties to the north of the site include Great Western Manufacturing, GNB Batteries, and the Leavenworth Service Center (former landfill). Property to the east and the southeast is occupied by an auto salvage yard, and automobile repair shops are located south of the property. To the west of the site, across Fourth Street, are light commercial and residential properties. A more detailed discussion of the surrounding area, including a review of historical site ownership, environmental regulatory correspondence and site photographs are contained in the initial Phase I assessment report issued on October 27, 1989.

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3.0 SOILS EXPLORATION

Based on the information obtained during the Phase I assessment of the property regarding potential off-site contaminant sources, Terracon Environmental conducted a limited scope soils exploration along the east property line and near the northeast corner of the site. This was performed in an effort to identify possible lead and/or petroleum contamination. As was reported in the Phase I assessment dated October 27, 1989, it is Terracon's understanding that underground fuel storage tanks on the Leavenworth Service Center property previously leaked an undetermined amount of gasoline. For this reason, and due to the long history of auto salvage activities east of the property, the soils exploration was conducted in this area.

3.1 Shallow Soils Sampling and Analysis

Three discrete shallow soil samples were collected on November 20, 1989, near what is considered the eastern property line. The samples were collected from a depth of approximately 2 feet below surface at three discrete locations along the east side of the fence bordering the auto salvage yard.

The samples were collected using a hand auger sampler which was cleaned with an Alconox detergent wash and rinse between borings to help prevent cross contamination. Laboratory analysis did not reveal total petroleum hydrocarbon levels in either of the three samples above a detection limit of 50 parts per million (ppm). Total lead was detected at concentrations of approximately 20 ppm in each of the three samples. Typical backgound levels for lead

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in this area are between 15 and 70 ppm¹; therefore, these concentrations can be considered in the typically observed range.

3.2 MW-3 and MW-4 Soils Sampling and Analysis

In an effort to identify shallow petroleum hydrocarbon contamination near the location of the underground fuel storage tanks on the Leavenworth Service Center property, soil samples were collected from the MW-3 and MW-4 boring locations. A discrete soil sample was collected from each boring at the 3 foot below surface depth and submitted to the laboratory for total petroleum hydrocarbon (TPH) analysis.

The results indicate TPH at a concentation of 140 ppm in the 3 foot depth sample from MW-3, and 260 ppm in the 3 foot depth sample from MW-4. These elevated levels in the shallow soils may be the result of previous gasoline spillage associated with fuel loading practices, and in part may be attributed to degradation of organic matter contained in the fill material in this boring. It is important to note that no volatile organic constituents of gasoline (i.e. benzene, toluene, and ethylbenzene) were detected in a previous composite soil sample collected from this area during the Phase I assessment. Also, the results of the groundwater sample collected from MW-3 and MW-4 did not detect the presence of benzene, toluene or xylene. Although the concentrations of TPH detected in the 3 foot soil samples from MW-3 and MW-4 are above what would be considered typical background concentrations, an evaluation of all the data does not suggest that this is indicative of a serious or widespread environmental concern.

Jon J. Connor and Hansford T. Shacklette, <u>Background</u> <u>Geochemistry of Some Rocks, Soils, Plants and Vegetables in</u> the Conterminuous United States, (Washington, 1975) p. F84.

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4.0 GROUNDWATER EXPLORATION

To assess groundwater quality at the site, Terracon conducted an intrusive exploration along the perimeter of the property. The intrusive assessment consisted of the drilling and installation of six monitor wells along the perimeter of the site to better determine whether potential off-site contaminant sources may have impacted the subject property. Three wells were installed along the north property line, two wells were installed along the east property line and one well was installed near the southwest corner of the property. See Figure 1 for monitor well locations.

4.1 Drilling Activities

Terracon Environmental installed six groundwater monitor wells at the site on November 20 and 21, 1989. Field operations for the drilling phase of the monitor well installation was performed by a three-man drill crew using hollow stem augers and a rotary drill rig. Prior to the exploration, the working end of the rig was detergent washed using a high pressure, hot water sprayer. During drilling, lead augers and downhole sampling equipment were cleaned between borings to reduce the potential for cross contamination.

The strata was field logged based upon visual classification. The soils encountered in the boreholes consisted primarily of clay and silty clay, with fill material noted in borings MW-3, MW-4 and MW-5. The fill material was presumably used to backfill the former Five Mile Creek channel which, prior to 1968, looped to the west of its present course and across the northeast portion of the

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property. At the time of drilling, water was observed in all six borings. In MW-1 and MW-5, water was detected at approximately 18 feet below surface. In MW-2, MW-3, MW-4 and MW-6 water was detected at approximately 13 feet below surface. Boring logs are attached as Appendix I.

4.2 Field Characterization

During drilling, soil samples were collected from each boring at approximately the 3 foot and 10 foot depth, where possible, for field screening. Samples were placed in one-quart glass jars approximately one-half full, covered with aluminum foil, and allowed to volatilize at ambient conditions for a minimum of fifteen minutes. A photoionization detector (PID) was then used to analyze air contained in the headspace of the jar for chemical contamination. The PID is an instrument used to provide field characterization for the limited quantitative identification of a broad range of organic vapors based upon a relative instrument standard.

Readings from the PID for samples across the site did not exceed 0.7 ppm, except for the 3 foot sample collected from MW-3 which registered a level of just less than 200 ppm. No sample was recovered at the 10 foot depth while drilling MW-3 due to fill material which plugged the continuous sampling equipment. The elevated headspace reading in this boring is consistent with an organic odor noted during drilling. No other elevated readings were detected with the PID during field characterization of the soils.

It is also important to note that field characterization did not reveal elevated volatiles contamination (benzene, toluene, xylene) in any of the samples collected from this general area during the previous Phase I assessment work.

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4.3 Well Installation and Development

The well materials consist of two-inch nominal diameter, Schedule 40 PVC, flush-jointed, threaded pipe. Factory slotted 0.01 inch well screen was installed at the bottom of each borehole and extended to intersect the water table based upon water levels encountered during drilling. A 15 foot section of slotted screen was used for MW-2 and MW-5, and a 20 foot section of slotted screen was used for MW-1, MW-3, MW-4 and MW-6. Solid stem PVC riser pipe was attached to each of the screened sections and extended approximately 2.5 feet above ground surface.

The borehole annulus was packed with a fine sand from the bottom of the borehole to a point approximately one foot above the slotted well screen. An approximate one to two foot thick layer of hydrated bentonite pellets was installed in the borehole annulus above the sand pack. The remaining annulus was filled to ground surface with a cement/bentonite grout mixture. Upon completion, the well heads were secured within protective metal casings which rise approximately 3 feet above ground surface, and locked with keyed-alike padlocks. Figure 2 shows a typical monitor well design. Specific well diagrams for MW-1 through MW-6 are included on the boring logs in Appendix II.

Well development was performed by Terracon Environmental personnel using individual disposable bailers. The wells were considered developed when approximately three standing water volumes were removed from each casing. Development fluids were not collected.

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4.4 Sampling Procedures and Analysis

Groundwater samples were collected from the monitor wells on November 24, 1989. The samples were obtained using individual disposable bailers and placed in preserved sample containers. The samples were cooled, packaged, and shipped via Federal Express to Continental Analytical Services in Salina, Kansas. Samples obtained from monitor wells 1 through 5 were analyzed for benzene, toluene and xylene (BTX). Additionally, samples collected from monitor wells MW-1, MW-2, MW-3 and MW-5 were analyzed for total lead.

The BTX and lead analyses were designed to identify potential migration of petroleum products and/or lead from sources to the north and east (i.e. GNB Batteries, City Maintenance Garage, Auto Salvage Yard). Samples collected from monitor wells MW-3, MW-4, MW-5 and MW-6 were subjected to a survey search for extractable compounds (semi-volatile compounds) and volatile organic compounds. This analysis is designed to identify organic compounds present as a result of former landfill activities adjacent to the site and fill material on the property. Finally, samples collected from monitor wells MW-4 and MW-6 were analyzed for the 13 priority pollutant metals. Elevated metals concentrations could be expected due to landfill and salvage yard activities, as well as other nearby industrial sites.

4.5 Analytical Results

Analytical results for MW-1, MW-2, MW-3 and MW-5 revealed no detectable concentrations of benzene, toluene, xylene or total lead. Also, results for MW-3, MW-5 and MW-6 identified no volatile or semi-volatile compounds above a detection limit of approximately 5 parts per billion (ppb).

The concentrations of metals detected in MW-6 were either at the detection limit or below detection limits. However, the analytical results for MW-4 revealed elevated levels of some metals, compared to the results for MW-6, and a concentration of 18 ppb for an unidentified semi-volatile compound found to be present during the survey search analyses. In some instances, the concentrations of metals are above those established as maximums for drinking water standards. The table below lists the metals concentrations in mg/l or part per million (ppm) for MW-4 and MW-6, and includes their respective National Drinking Water Standard.

	<u>MW-4</u>	<u>MW-6</u>	*National Drinking Water Standards
Arsenic	0.06	<0.01	0.05
Cadmium	0.97	<0.01	0,010
Chromium	0.17	<0.04	0.05
Copper	0.52	<0.05	1.0
Lead	3.0	<0.003	0.05
Nickel	0.28	<0.05	
Zinc	7.45	0.01	5.0

* Reference: 40 CFR 141 and 143

The metals results from MW-4 suggest that there has been some impact to the groundwater in this vicinity. The probable source or sources are the former landfill to the north of the site and the auto salvage yard to the east. An EPA study conducted in 1984 of the former landfill site involved analytical testing of water from nearby Five Mile Creek. (The creek runs to the east of the former landfill and the salvage yard.) Results of the EPA study found that elèvated metals concentrations were present in Five Mile Creek, and that this may be due in part to the former

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landfill, the auto salvage yard and/or other industrial properties in the area. EPA concluded in their study of 1984, that the former landfill site 'poses no threat to the surrounding environment.'

The metals concentrations detected during our assessment were found to be less than those reported by EPA during their nearby study. Although the metals concentrations from MW-4 are elevated with respect to what may be considered typical of groundwater in the area (as indicated by the analytical results from MW-6), the groundwater at this location is not utilized as a drinking water source.

5.0 SUMMARY AND CONCLUSIONS

No indication of petroleum-based contamination was detected in the shallow groundwater as a result of sampling for benzene, toluene and xylene. Additionally, the results of screening for a broad range of volatile and extractable compounds via a mass spectral survey search found nothing which would indicate a serious or widespread environmental contamination problem exists in the shallow groundwater at this site.

Analysis of shallow soils from MW-3 and MW-4 indicate that a localized area of relatively low-level petroleum hydrocarbon contamination may exist near the northeast portion of the property. However, the concentrations detected do not suggest that a serious or widespread environmental concern exists.

Based upon a review of the analytical data which has been collected by both EPA and Terracon, it appears that off-site contaminant sources may have impacted the shallow groundwater

near the northeast portion of the subject property. Elevated levels of certain metals detected in MW-4 are above National Drinking Water Standards; however, at this time the groundwater at this location is not utilized as a drinking water source. An EPA study performed in 1984, found elevated levels of aluminum, barium, copper, iron, lead magnesium, manganese, mercury, nickel and vanadium in the Five Mile Creek samples downstream of the former landfill and auto salvage yard properties. The EPA study concluded that based on the analytical results from samples collected from Five Mile Creek, no threat to the surrounding environment is expected. Terracon recommends that the monitor wells be retained at this site to provide sampling points should future groundwater monitoring be desired.

6.0 GENERAL COMMENTS

The analysis and comments presented in this final report are based upon data obtained from the shallow soil and groundwater assessment activities performed as part of the work scope, and other information collected by Terracon as described herein. Please note that this report does not reflect any variations of subsurface stratigraphy or environmental contamination which may exist between borings or across the site. Actual subsurface conditions may vary, and the extent of such variations may not become evident without further investigation. If variations appear evident, it will be necessary to reevaluate the comments contained in this report.

This report is prepared in accordance with generally accepted engineering practices within the constraints of the client's directives. The report is intended for the

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exclusive use of the client for specific application to the assessed property. No other warranty is expressed or implied.

1.65

1.4

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FIGURES

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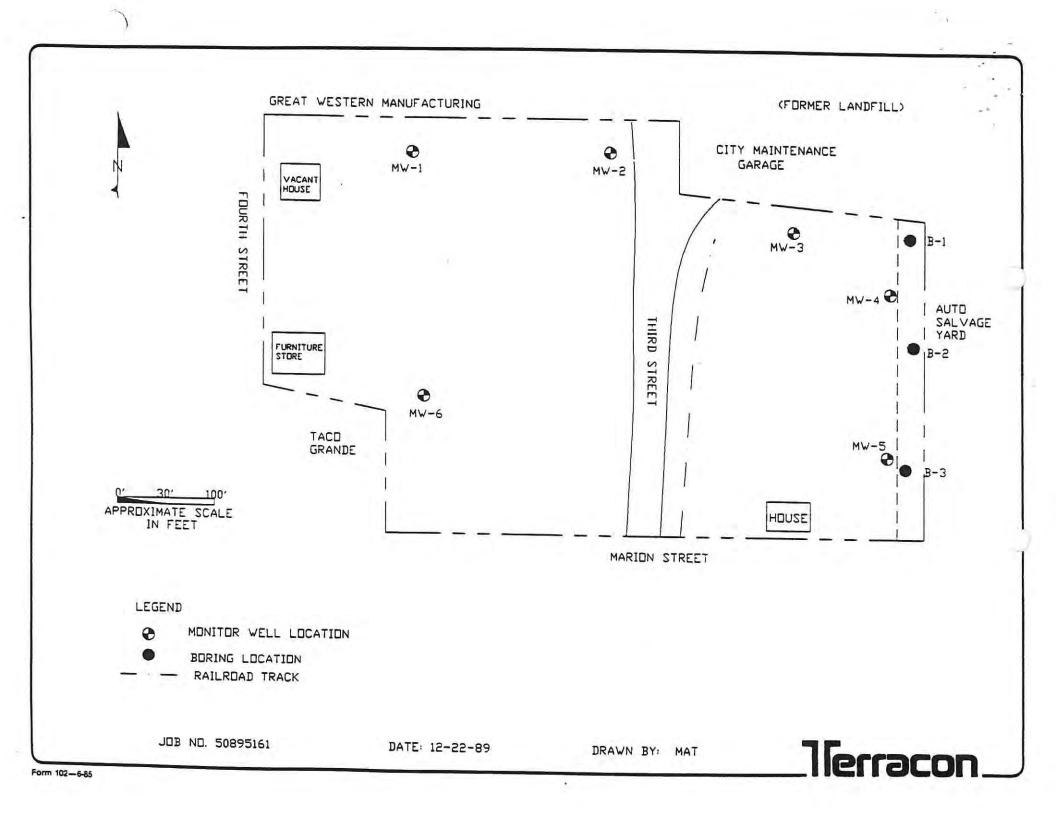
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FIGURE 1

Well Location Diagram

MT(28)B3

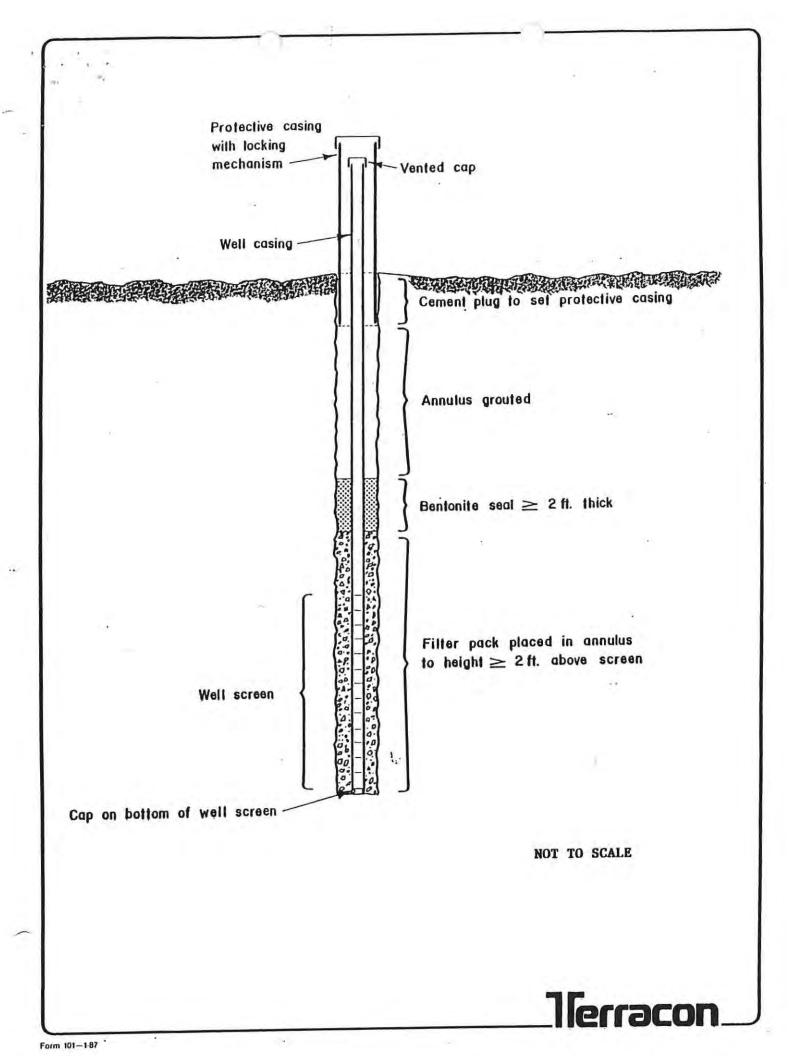


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FIGURE 2

Monitor Well Design

MT(28)B3



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APPENDIX I

Boring Logs

MT(28)B3

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own	NER		ARCHIT	ECT/E	INGI	NEER	ł.						
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	 0.2 Topsoil VERY SILTY CLAY, weak thread, low plasticity, black, no odor, dry, to moist, medium to stiff, blocky very stiff at 4.8' SILTY CLAY, medium thread, medium plasticity, brown to yellow brown, no odor, damp, soft, blocky becoming moist, high plasticity, mottled red, black becoming wet at 18', soft, high plasticity, no odor 	781.8 ¥		10 10 15 20		1	CS CS	3.0 5.0 5.0 5.0				Boring advanced with 4 1/4" HSA	
ŤHĖ S	becoming gray, wet, medium to stiff saturated at 22' 24.2 BOTTOM OF BORING STRATIFICATION LINES REPRESENT THE APPROXIMATE EEN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITI WATER LEVEL OBSERVATIONS	757.8 BOUNDARY LI ON MAY BE G	NES RADUAL.			VELL	DIA.	: 2	.: 4.2 in TED	in <u>1</u>	11-2	Provided 21-89	
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		WELL											
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	-0.2 Topsoil VERY SILTY CLAY, weak thread, low plasticity, black, no		11111		1	CS	1.0				Boring advanc with 4 1/4" Hi		
	odor, dry, soft, blocky 773.4		5-		2	CS	5.0						
	SILTY CLAY, medium thread, low plasticity, brown, no odor, damp, stiff to very stiff, blocky		Let Li										
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ÓW	NER	ARCHIT	ECT/I	ENGI	NEE	ł					
STTE	4th and Marion Leavenworth, Kansas	PROJEC	г				-	arket			
GRAPHIC LOG	DESCRIPTION TOP OF PROTECTOR PIPE: 779.1 ft TOP OF CASING: ft	WELL DETAIL	DEPTH (FT.)	USCS SYMBOL	NUMBER	PLE:	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	FIELD VAPOR ST	
٥	GROUND SURFACE ELEV: 776.0 ft FILL, silty clay, red-brown to brown, no odor, dry, firm, trace bricks, gravel, roots, glass		<u> </u>	2	I	CS	1.2	ΜΞ	Σ	<u>u</u> F	Boring advanc with 4 1/4" H
	olive-brown to red brown		511111		2	CS	1.4	1.4			
	¥		1011111		3	CS	0.0				
	black, wet, organic odor 17.0 759.0		15 1 1 1 1		4	CS	3.0				
	SILTY CLAY, medium thread, green-brown, organic odor, wet, soft, trace sand		20		5	CS					
	24.3 becoming firm to stiff, black with yellow staining, no odor BOTTOM OF BORING		111								
EE	RATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LIN IN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE GR WATER LEVEL OBSERVATIONS	IES ADUAL.		W	ELLI	DIA.:	DIA.: 2 I		L	ock P 11-2	rovided 1-89
						NG C	OMPI	ETED		11-2	-89
T	₹ 13.0 ws ¥ 13.78 AB Terra	JCI			UG				FORE	EMAN	MAT
Г				A	PPR	OVE	D		JOB A	50	89516

	LOG C	<i>DF BORIN</i>	IG NO). N	w	-4					Pag	e 1 of 1
ow	NER		ARCHIT	ECT/E	INGI	VEER	ł	Sue				
SITT	4th and Marion Leavenworth, Kansas		PROJEC	Г			Su	berm	arket			
-	Leavenworth, Kansas		WELL			SAM	PLES				ESTS	
C LOG	DESCRIPTION		DETAIL	()	SYMBOL	P		ERY	Ĕ.	URE, %	UAPOR	
GRAPHIC LOG	TOP OF PROTECTOR PIPE: TOP OF CASING: GROUND SURFACE ELEV.:	778.6 ft ft 775.6 ft		DEPTH	uscs :	NUMBER	TYPE	RECOVERY	SPT -	MOISTURE,	FIELD	
Ī	FILL, silty clay, stiff, yellow-brown, no odor, dry, trace stone, brick			11111		1	CS	1.2				Boring advance with 4 1/4" HS
				5		2	CS	0.5				
	becoming moist at 8.5'			44.144		3	CS	1.5				
		₽		10-			CS	1.5				
	saturated at 12', black, no odor, weak thread, soft	¥		1111					-			
				15		4	cs	2.0				
	trace sand, plastic, metal wire, brick, stone			20		5	CS	1.3		-		
	23.0	752.6		thu								
Ø¥	24.0 SILTY CLAY, trace sand, medium thread, olive green, w to saturated	751.6	<u> </u>									
	BOTTOM OF BORING											
			IFS		I.B	ORF		E DIA	: 4.2	in		
TW	STRATIFICATION LINES REPRESENT THE APPROXIMAT EEN SOIL AND ROCK TYPES: IN-SITU, THE TRANSI	TION MAY BE GE	ADUAL .		Y	ELL	DIA.	2	lņ	L	-	Provided
	WATER LEVEL OBSERVATIONS							STAR			22.25	20-89
-	₩ 12.0 WS ₩ 13.5 AB	erra				BOR	ING	COMP	LETED	-	EMAN	0-89 MAT
L						1	ROVE			JOB		0895161

	.OG OF BORIN	IG NO). N	٨W		0.4			_	Pag	e 1 of 1	
1WO	NER 10	ARCHIT	ECT/I	ENGI	NEEF	L						
SITE	4th and Marion Leavenworth, Kansas	PROJEC	т					arket				
LOG	DESCRIPTION	WELL DETAIL	(FT.)	SYMBOL	SAM	PLES		t	×	RODEN		
GRAPHIC	TOP OF PROTECTOR PIPE:779.44 ftTOP OF CASING:ftGROUND SURFACE ELEV.:776.7 ft		DEPTH	uscs sy	NUMBER	TYPE	RECOVERY	N - 14S	MOISTURE,	FIELD U TESTS		
9	FILL, stiff, brown, dry to damp, trace brick, shale				1	CS	1.8	•			Boring advanced with 4 1/4" HS.	
			5		2	CS	0.0					
	12.0 764.7		10		3	CS	2.5	-				
	SILTY CLAY, medium thread yellow-brown with gray, no odor, moist, stiff to very stiff olive-gray to brown, soft, moist at 16'		15		4	CS	4.5				-	
	black and red stratified staining at 17.5' mottled gray, black, red stiff to yery stiff, moist		20		5	CS	4.5					
	turning gray gray with mottled yellow, red and		25-		6	CS	5.0					
	black staining, very stiff, moist 29.5 747.2 BOTTOM OF BORING		1.1				-					
HES	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LI EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION MAY BE G	NES RADUAL.					E DIA : 2	.: 4.2 in	in I	Lock 1	Provided	
C I WE	WATER LEVEL OBSERVATIONS				-		STAR	the second s			20-89	
WL	¥ 17.0 ws ¥17.64 AB					UNG	СОМ	PLETED			20-89	
WL		리니			RIG				-	REMAN	MAT	
VIL					APP	ROV	ED -		JOB	. 3	003210	

•	LOG OF E			1000							Pag	e 1 of 1
ow	NER		ARCHIT	ECT/E	INGI	VEER	ŧ.					
SITI	3 4th and Marlon Leayenworth, Kansas		PROJEC	Г					arket			
			WELL			SAM	PLES			1.22	TESTS	-
GRAPHIC LOG	TOP OF CASING:	83.9 ft ft	DETAIL	DEPTH (FT.)	USCS SYMBOL	NUMBER	S TYPE	RECOVERY	SPT - N BLOWS / FT.	MOISTURE, X	FIELD VAPOR TESTS	
	GROUND SURFACE ELEV: 7 0.3 Topsoil	81.0 ft 780.7			-	1	CS	1.0	47 m	-	H. 1	Boring
	VERY SILTY CLAY, stiff, brown, blocky structure, no odor, low plasticity			1		2	CS	5.0				advance with 4 1/4" HS
	becoming to olive to gray-brown		目	=				6.0		_		
Ŵ			目	10-		3	CS	5.0				
	12.0	769.0	EI	Ξ								
	SILTY CLAY, gray-brown with yellow and black staining, moist to damp			15		4	CS	0.0	7			
	x		目	=								
	saturated at 20.5', olive-green becomes stiff to very stiff at 23.5' moist to wet, blocky	756.4		20		5	CS	5.0				
	BOTTOM OF BORING											
ETHE	TRATIFICATION LINES REPRESENT THE APPROXIMATE BOUN EN SOIL AND ROCK TYPES: IN-SITU, THE TRANSITION N	NDARY LINE May be gra	S DUAL.		W	ELL	DIA :	21		in L	-	rovided
-	WATER LEVEL OBSERVATIONS							COMP	ED		11-2	1-89
л. /L	¥ 12.5 ws ¥ 11.9 AB T C	"				RIG				FOR	EMAN	MAT
1P					-	APPR				JOB		0895161

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APPENDIX II

Analytical Data

MT(28)B3

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1804 GLENDALE - SALINA, KANSAS 67401 - (913)827-1273

LABORATORY REPORT

XYLENE	ND(1.0)	UG/L	150/21
ANALYSIS BENZENE, TOLUENE, XYLENE	CONCENTRATION	UNITS	BOOK/PAGE
LAB NUMBER; 89110863 SAMPLE DESCRIPTION; MW-3		DATE SAMPLED: TIME SAMPLED:	1500
CONCLUSION	OF LAB NUMBER: 89	110862	
CONSTRUCTOR		110063	
LEAD, TOTAL	ND(0.003)	MG/L	109/97
BENZENE, TOLUENE, XYLENE XYLENE TOLUENE BENZENE	ND(1.0) ND(1.0) ND(1.0) ND(0.003)		150/19 150/19 150/19 150/19
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
LAB NUMBER: 89110862 SAMPLE DESCRIPTION: MW-2		DATE SAMPLED: TIME SAMPLED:	1500
	V OF LAB NUMBER: 89		
LEAD, TOTAL	ND(0.003)		109/97
TOLUENE BENZENE	ND(1.0) ND(1.0)	UG/L UG/L	150/18 150/18
BENZENE, TOLUENE, XYLENE XYLENE	ND(1.0)	UG/L	/ 150/18
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
LAB NUMBER: 89110861 SAMPLED DESCRIPTION: MW-1		DATE SAMPLED: TIME SAMPLED:	
P.O. BOX 901541 KANSAS CITY, MO 6	4190-1541	CAS FILE NO: CAS ORDER NO: CLIENT P.O.:	2660 50895161
CLIENT: TERRACON CONSULTAN ATTN:MELINDA TUMBL	TS INC. ESON	DATE SAMPLE R Date sample r	PTD: 12/13/89 ECD: 11/25/89
		1	PAGE: 1

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PAGE:

LABORATORY REPORT

CLIENT: TERRACON CONSULTANTS INC. LAB NUMBER: 89110863

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOLUENE	ND(1.0)	UG/L	150/21
BENZENE	ND(1.0)	UG/L	150/21
VOLATILE SURVEY SEARCH	*SEE NOTE		145/11
EXTRACTABLE SURVEY SEARCH	**SEE NOTE	6	119/54
LEAD, TOTAL	ND(0.0030	MG/L	109/97

*NO VOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

**NO SEMIVOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

CONCLUSION OF LAB NUMBER: 89110863

LAB NUMBER; 89110864	* *	DATE SAMPLED:	11/24/89
SAMPLE DESCRIPTION: MW-4		TIME SAMPLED:	1500
			0
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
BENZENE, TOLUENE, XYLENE			1
XYLENE	ND(1.0)	UG/L	150/23
TOLUENE	ND(1.0)	UG/L	150/23
BENZENE	ND(1.0)	UG/L	150/23
VOLATILE SURVEY SEARCH	*SEE NOTE		145/11
EXTRACTABLE SURVEY SEARCH	**SEE NOTE		119/54
ANTIMONY, TOTAL	ND(0.05)	MG/L	85 /46
ARSENIC, TOTAL	0.06	MG/L	120/72
BERYLLIUM, TOTAL	ND(0.01)	MG/L	106/20
CADMIUM, TOTAL	0.Ò7	MG/L	142/38
CHROMIUM, TOTAL	0.17	MG/L	138/51
COPPER, TOTAL	0.52	MG/L	83 /61
LEAD, TOTAL	3.0	MG/L	109/98
MERCURY, TOTAL	ND(0.0002)	MG/L	125/50
NICKEL, TOTAL	0.28	MG/L	79 /70
SELENIUM, TOTAL	ND(0.005)	MG/L	139/38
SILVER, TOTAL	ND(0.02)	MG/L	134/47
THALLIUM, TOTAL	ND(0.01)	MG/L	84 / 37
ZINC, TOTAL	7.45	MG/L	82 /67

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	LABORATORY REPORT				
CLIENT: TERRACON CONSULTAN	175 TNC				
LAB NUMBER: 89110864	IIS INC.				
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE		
*NO VOLATILE COMPOUNDS DET	ECTED GREATER THAN	APPROXIMATELY 5	UG/L.		
**THE SAMPLE CONTAINED ONE SPECTRAL LIBRARY COULD NOT UG/L. SEE ATTACHED MASS S COMPOUND.	IDENTIFY AT AN AN	PROXIMATE CONCEN	TRATION OF 18		
CONCLUSIO	N OF LAB NUMBER: 8	9110864			
LAB NUMBER: 89110865 SAMPLE DESCRIPTION: MW-5	1	DATE SAMPLED: TIME SAMPLED:			
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE		
BENZENE, TOLUENE, XYLENE			/		
XYLENE	ND(1.0)	UG/L	150/25		
TOLUENE	ND(1.0)	UG/L	150/25		
BENZENE	ND(1.0)	UG/L	150/25		
OLATILE SURVEY SEARCH			145/11		
XTRACTABLE SURVEY SEARCH	**SEE NOTE		119/54		
EAD, TOTAL	ND(0.003)	MG/L	109/97		
NO VOLATILE COMPOUNDS DETI	ECTED GREATER THAN	APPROXIMATELY 5	UG/L.		
**NO SEMIVOLATILE COMPOUNDS	5 DETECTED GREATER	THAN APPROXIMATE	5 UG/1		
CONCLUSION	N OF LAB NUMBER: 8	9110865			
AB NUMBER: 89110866		DATE SAMPLED:	11/24/89		
SAMPLE DESCRIPTION: MW-6		TIME SAMPLED:			
NALYSIS	CONCENTRATION	UNITS	BOOK/PAGE		
OLATILE SURVEY SEARCH	*SEE NOTE		145/11		
XTRACTABLE SURVEY SEARCH	**SEE NOTE		119/54		
NTIMONY, TOTAL	ND(0.05)	MG/L	85 /46		
al service and a service sector					
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LABORATORY REPORT

PAGE: 4

CLIENT: TERRACON CONSULTANTS INC. LAB NUMBER: 89110866

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
ARSENIC, TOTAL	ND(0.01)	MG/L	120/71
BERYLLIUM, TOTAL	ND(0.01)	MG/L	106/20
CADMIUM, TOTAL	ND(0.01)	MG/L	142/38
CHROMIUM, TOTAL	ND(0.04)	MG/L	138/51
COPPER, TOTAL	ND(0.05)	MG/L	83 /61
LEAD, TOTAL	ND(0.003)	MG/L	109/97
MERCURY, TOTAL	ND(0.0002)	MG/L	125/50
NICKEL, TOTAL	ND(0.05)	MG/L	79 /70
SELENIUM, TOTAL	ND(0.005)	MG/L	139/38
SILVER, TOTAL	ND(0.02)	MG/L	134/37
THALLIUM, TOTAL	ND(0.01)	MG/L	84 /37
ZINC, TOTAL	0.02	MG/L	82 /67

*NO VOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

**NO SEMIVOLATILE COMPOUNDS DETECTED GREATER THAN APPROXIMATELY 5 UG/L.

CONCLUSION OF LAB NUMBER: 89110866

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES. % REC INDICATES % RECOVERED AT THE INDICATED CONCENTRATION.

QUALITY CONTROL ANALYSES WERE PERFORMED ON SAMPLES AT TIME OF ANALYSIS IN ACCORDANCE WITH PROCEDURES PUBLISHED IN THE CODE OF FEDERAL REGULATIONS PART 136, JULY 1, 1986 OR IN EPA PUBLICATION, SW-846, 3RD EDITION, NOV. 1986.

SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

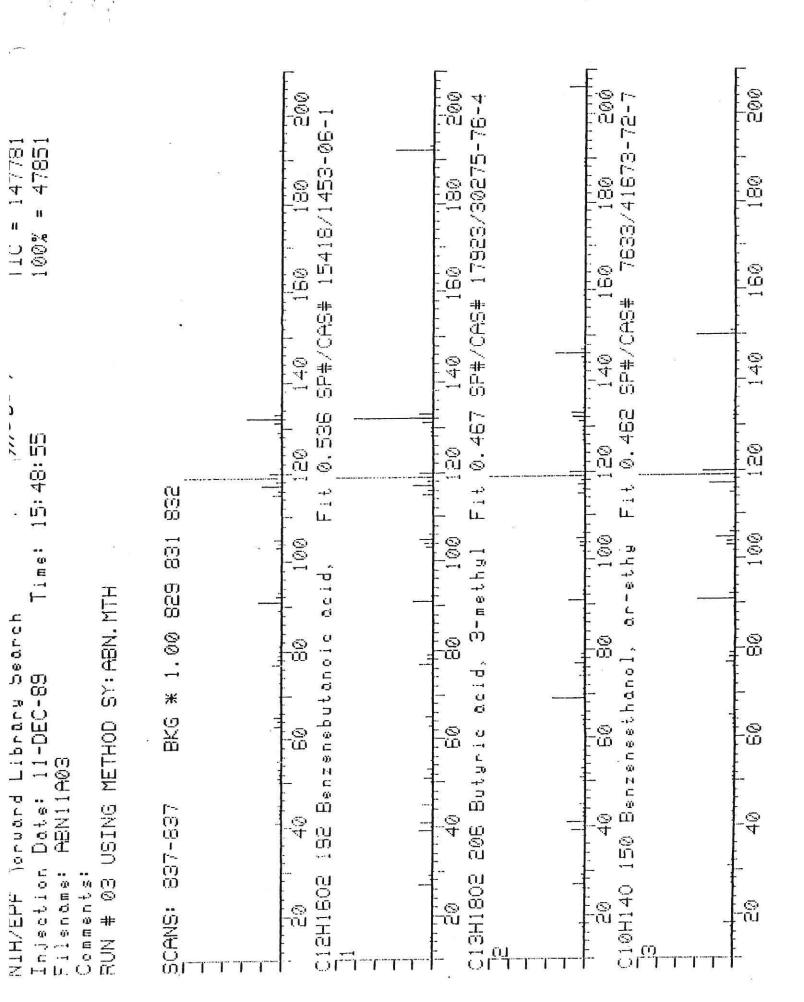
CONTINENTAL ANALYTICAL SERVICES, INC.

ford P. Baher

CLIFFORD J. BAKER LABORATORY DIRECTOR

PROJECT NO.	PROJE	CT NAME		0	1 w			RAMETER	OTHER		
50895161 Proposed Sup Market			tef						L w		
SAMPLERS: (S	ignature	2)	V		(ce à	terran Lacin	ty Poll			NUMBER OF CONTAINERS	REMARKS
STATION - NUMBER	DATE	TIME	STATIC	ON LOCATION	Tota/	BACIN	13 Pricery				
mw-1	11/24	1500	Lewent	Jorth Ks.	1					3	
mw-2		: 1500		11	r	1			3		
mus-3	11	1500		11	-					6	
mw-4	-Ir	1500		11		11	~~				
mw-s	11	1500		11	-						
mw-le	mw-6 11 1500			11		-				4	
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	-					+					
		11			ا ا	1.		TOTAL NUMI OF CONTAIN		28	
RELINQUISHED BY: DATE TIME (Signature) Det Coure 11-24-89 ' 15:00		RECEIVED BY: (Signature)		RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY (Signature)			
RELINQUISHED BY: DATE TIME (Signature)		RECEIVED BY: (Signature)		RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)			
METHOD OF SHIPMENT		SHIPPED BY: (Signature)	D BY: ture)		COURIER: RECEI (Signature) (Sign		RECEIVE (Signat	D FOR LA	B BY:		

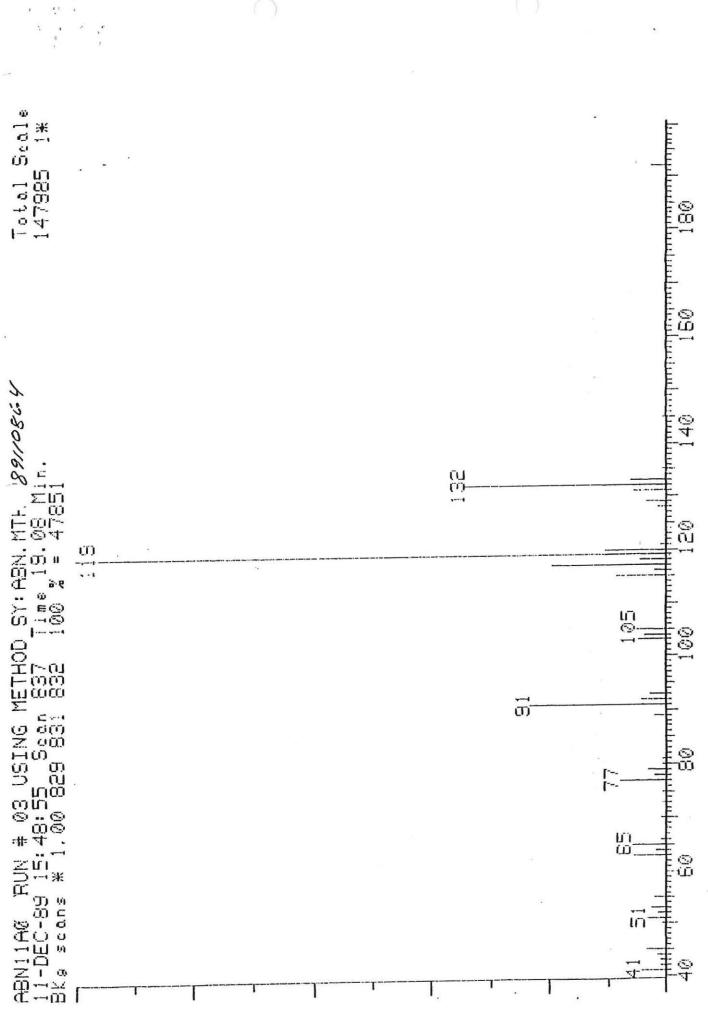
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NIH/EFA Library Search 89110864 File name: ABN11A03 Comments: RUN # 03 USING METHOD SY:ABN.MiH Scan Number: 837 Backsround Scans # 1.00 829 831 832 Retention time: 19.08 min. Date: 11-DEC-89 Time: 15:48:55 Forward Search Rank 1 Spectrum 15418 C.A.S 1453-06-1 Fit 0.536 C12H1602 192 Benzenebutanoic acid, 2,5-dimethyl-Rank 2 Spectrum 17923 C.A.S 30275-76-4 Fit 0.467 C13H18O2 206 Butyric acid, 3-methyl-4-(2,5-xylyl)-Rank 3 Spectrum 7633 C.A.S 41673-72-7 Fit 0.462 C10H140 150 Benzeneethanol, ar-ethyl-Rank 4 Spectrum 4861 C.A.S 488-23-3 Fit 0.450 C10H14 134 Benzene, 1,2,3,4-tetramethyl-Rank 5 Spectrum 19561 C.A.S 54815-16-6 Fit 0.438 C16H24 216 Benzene, 1-(3-cvclopentylpropyl)-2,4-dimethyl-Spectrum 17297 Rank 6 C.A.S 644-30-4 Fit 0.434 C15H22 202 Benzene, 1-(1,5-dimethy)-4-hexeny))-4-methyl-Rank 7 Sfectrum 4873 C.A.S 1758-88-9 Fit 0.425 C10H14 134 Benzene, 2-ethyl-1,4-dimethyl-Spectrum 4864 Rank 8 C.A.S 535-77-3 Fit 0.419 C10H14 134 Benzene, 1-methyl-3-(1-methylethyl)-Rank 9 Spectrum 12984 C.A.S 1010-48-6 Fit 0.417 C11H14O2 178 Benzenerroranoic acid, .beta.,.beta.-dimethyl-Rank 10 Spectrum 8647 C.A.S 102-46-5 Fit 0.413 C9H11Cl 154 Benzene, 4-(chloromethyl)-1,2-dimethyl-



CONTINENTAL ANALYTICAL SERVICES, INC.

1804 GLENDALE - SALINA, KANSAS 67401 - (913)827-1273

LABORATORY REPORT

			PAGE: 1
CLIENT: TERRACON CONSULT ATTN:MELINDA TUM	ANTS INC. BLESON 64190-1541	DATE SAMPLE DATE SAMPLE CAS FILE NO: CAS ORDER NO CLIENT P.O.:	RPTD: 12/11/89 RECD: 11/22/89 89-5018 : 2639 50895161
LAB NUMBER: 89110748 SAMPLE DESCRIPTION: B-1		DATE SAMPLED TIME SAMPLED	: 11/20/89
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOTAL PET. HYDROCARBONS, LEAD, TOTAL	SOIL ND(50) 19	MG/KG MG/KG	48 /86
	ION OF LAB NUMBER: 8		
LAB NUMBER; 89110749 SAMPLE DESCRIPTION: B-2		DATE SAMPLED TIME SAMPLED	11/20/89
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOTAL PET. HYDROCARBONS, LEAD, TOTAL	SOIL ND(50) 17	MG/KG MG/KG	48 /86 109/96
	ION OF LAB NUMBER: 8		
LAB NUMBER: 89110750 SAMPLE DESCRIPTION: B-3		DATE SAMPLED: TIME SAMPLED:	and the second sec
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOTAL PET. HYDROCARBONS, LEAD, TOTAL	SOIL ND(50) 18	MG/KG MG/KG	48 /86 109/96

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CONTINENTAL ANALYTICAL SERVICES, INC.

	LABORATORY REPO		PAGE:
CLIENT: TERRACON CONSULTAN	NTS INC.		
LAB NUMBER: 89110751 SAMPLE DESCRIPTION: MW-3		DATE SAMPLED: TIME SAMPLED:	
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOTAL PET. HYDROCARBONS, S	OIL 140	MG/KG	48 /86
CONCLUSIC	ON OF LAB NUMBER:	89110751	
LAB NUMBER: 89110752 SAMPLE DESCRIPTION: MW-4	ж. ж.	DATE SAMPLED: TIME SAMPLED:	이 것 같은 것 같
ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
TOTAL PET. HYDROCARBONS, S	01L 260	MG/KG	48 /86
CONCLUSIO	N OF LAB NUMBER:	89110752	

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES. % REC INDICATES % RECOVERED AT THE INDICATED CONCENTRATION.

QUALITY CONTROL ANALYSES WERE PERFORMED ON SAMPLES AT TIME OF ANALYSIS IN ACCORDANCE WITH PROCEDURES PUBLISHED IN THE CODE OF FEDERAL REGULATIONS PART 136, JULY 1, 1986 OR IN EPA PUBLICATION, SW-846, 3RD EDITION, NOV. 1986.

SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

CONTINENTAL ANALYTICAL SERVICES, INC.

Baher CLIFFORD J. BAKER

LABORATORY DIRECTOR



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7810 N W 100lh PO Box 901541 Kansas City, Missouri 64190-1541 (616) 891-7717

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PROJECT NO.		ECT NAME				SA	MPLE	PARA	AMETER	OTHE	R		
0895161	54	pumarke	of Site	(Len. Ks)		Π	T				Π	EL SS	· · · ·
SAMPLERS: (S	ignatur	Jum	plise	re	end							NUMBER OF CONTAINERS	REMARKS
STATION NUMBER	DATE	TIME	STATI	ON LOCATION	Tote Le							NUM CON	KEPIAKAS
B-1	11/20	10:30	~	Ť	11	1		•					Soil
B-2	1/20	10:20			1								Soil
B-3	11/20	10:35			11								Soil
MW-3	1/20	11:45	3'		1	1							Suil
mw-4	1/20	14:10	3'			1						-	Suil
	-				\downarrow								
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									TAL NUR CONTAL				
RELINQUISHE (Signature) M.Jumb	D BY: Leson	DATE	TIME 89 .8:30	RECEIVED BY: (Signature)	1	REL (S1	INQUI	SHED	BY:	DATE		TIME	RECEIVED BY: (Signature)
RELINQUISHE (Signature)	D BY:	DATE	TIME	RECEIVED BY: (Signature)		REL (Si	INQUI gnatu	SHED re)	BY:	DATE		TIME	RECEIVED BY: (Signature)
METHOD OF S	HIPMENT	0		SHIPPED BY: (Signature)			RIER: gnatu			RECEIV (Signa	cut	FOR LA	1/22/6

SOLID WASTE FACILITY INFORMATION

Permit Number: na	mit Number: na Permit Code: D-dump						
Facility Name: CITY OF LEAVENWORTH OLD CITY LANDFILL (052-LEA#2)							
Owner Name: City of Leavenworth							
Owner Type: Municipal							
Status: Closed: post-closure care completed/not required							
Permit Types: Special Landfill							

PHYSICAL LOCATION

Address: South 3rd Street	City: Leavenworth	County: Leavenworth	
Latitude: 39.29766	Longitude: -94.90599	Collect Method: ArcIMS	
Directions:			

CONTACT

Title:	Contact Name:
Mail Address:	Mail City:
email:	Phone:

Tonnage Report only Populated for certain Facility Types

Link to Tonnage Report::	
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City of Leavenworth Old City Landfill (052-LEA#2) (1749) Repaired City Dump Site Inspection Form

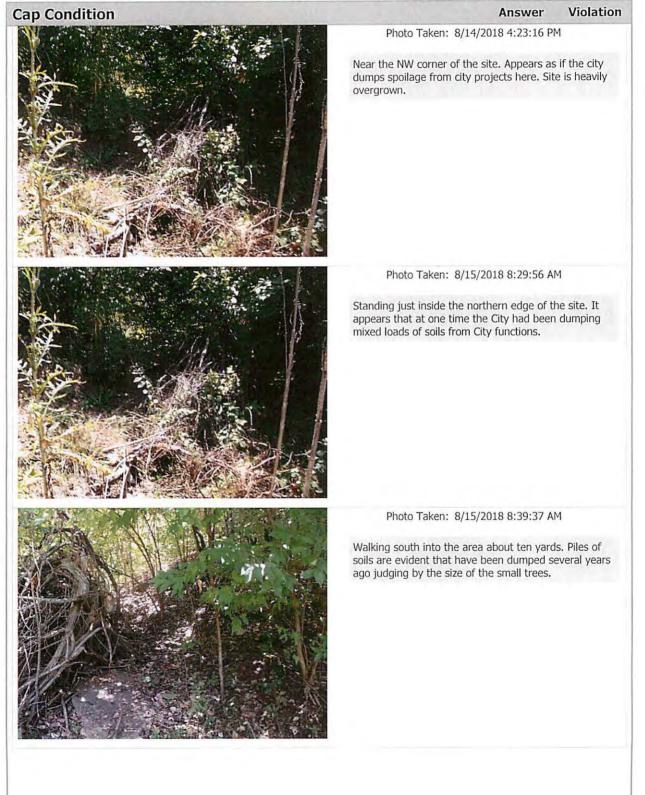
Violation Answer Inspection Information 1. Select all inspectors on-site Kevin Heit 2. List the inspector completing the report. Kevin Heit 3. Date of the inspection. 08/09/2018 4. Time the inspection began. 2:30 PM 5. Facility Name City of Leavenworth Old City Landfill (052-LEA#2) 6. Site Address Line 1 South 3rd Street 7. Location Address Line 2 8. Location City Leavenworth 9. State KS 10. Zip Code 66048 11. Zip Code Extension 12. County Leavenworth 13. Mailing Address (if different from address above) 14. Mailing Address Line 1 100 North 5th Street 15. Mailing Address Line 2 16. Mailing Address City LEAVENWORTH

City of Leavenworth Old City Landfill (052-LEA#2) (1749) Repaired City Dump Site Inspection Form

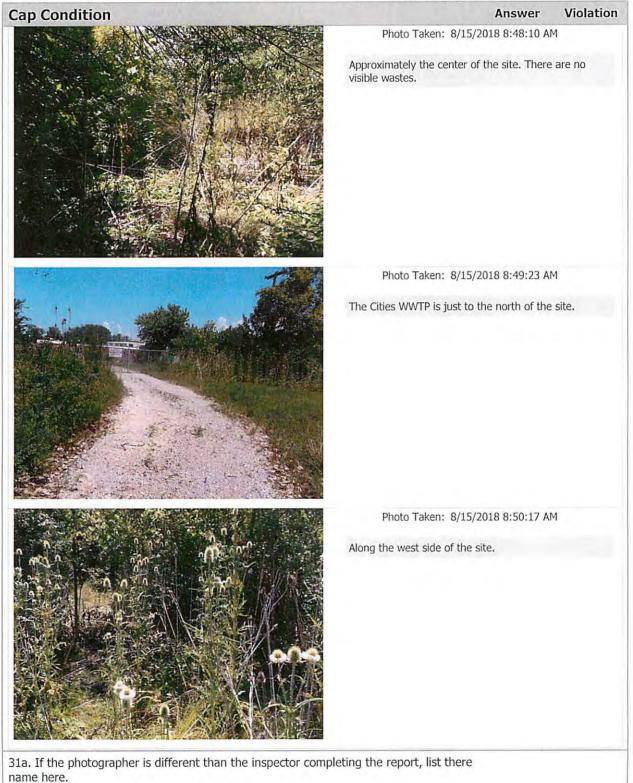
Inspection Information	Answer	Violation
17. Mailing Address State		
KS - Kansas		
18. Mailing Address Zip Code		
66048		
19. Mailing Address Zip Extension		
20. Inspection Contact First Name		
Steve		
21. Inspection Contact Last Name		
King		
22. Inspection Contact Phone		
9137586616		
23. Inspection Contact Phone Extension		
24. Inspection Contact Fax		
25. Inspection Contact e-mail		
sking@firstcity.org		
Cap Condition	Answer	Violation
26. Are there problems of erosion?	No	
27. Is the grass established?	Yes	
28. Is the grass in good condition?	Yes	
29. Is there any exposed debris?	No	
30. Has illegal dumping on site occurred?	No	
31. Did you take photographs at the site?	Yes	
Site is in acceptable condition. Property is not used for any purpose a brush.		rees and

City of Leavenworth Old City Landfill (052-LEA#2) (1749)

Repaired City Dump Site Inspection Form



City of Leavenworth Old City Landfill (052-LEA#2) (1749) Repaired City Dump Site Inspection Form



City of Leavenworth Old City Landfill (052-LEA#2) (1749) Repaired City Dump Site Inspection Form

Cap Condition	Answer	Violation
31b. If the photos were taken with a camera other than the ipad, list the type of camera here.		
Fuji FinePix AX650		
32. Are there any monitoring wells at the site?	No	
33. Are there any woody stemmed vegetation growing on the site?	Yes	

City of Leavenworth Old City Landfill (052-LEA#2) (1749) Violation List

24 7

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1

No Violations Found

STATE OF KANSAS

DEPARTMENT OF HEALTH AND ENVIRONMENT DIVISION OF ENVIRONMENT CURTIS STATE OFFICE BUILDING 1000 SW JACKSON ST., SUTTE 400 TOPEKA, KS 66612-1367



PHONE: (785) 296-1535 FAX: (785) 559-4264 WWW.KDHEKS.GOV

GOVERNOR JEFF COLYER, M.D. JEFF ANDERSEN, SECRETARY

August 13th, 2018

Steve King Solid Waste Foreman 100 North 5th Street Leavenworth, Kansas 66048

RE: City of Leavenworth Dump Site Visits.

On August 9th, I visited several of the old city dump sites located in Leavenworth, Kansas. I met Mark Matzeder at the old city dump which is now utilized as permitted brush burn site before continuing on to the other various sites. That site appeared to be in acceptable condition with no recommendations for modifying the practices currently exercised in maintaining the site.

Several other sites listed below were also visited throughout the day and presented in acceptable condition as well. KDHE does appreciate the efforts put forth by the City and respective landowners in maintaining the closed sites. The next scheduled visits for the sites will be during the calendar year of 2023.

Please do not hesitate to contact me at (785) 296-1757 or by email at <u>kevin.heit@ks.gov</u> if there are any questions regarding this letter or the program.

Regards

Kevin Heit Environmental Specialist Compliance, Assistance & Enforcement Unit 1000 SW Jackson Street Suite 320 Topeka, Kansas 66612

Cc: File: City of Leavenworth CD-1312, City of Leavenworth 2nd & Limit CD-1318, City of Leavenworth – Besel roofing CD-1817, Missouri River Disposal Area CD-1322, City of Leavenworth Old City Landfill CD-1749, City of Leavenworth Old City Dump CD-1830, & City of Leavenworth – Leavenworth Excavating & Equipment CD-1829

Ec: NEDO

Williams			F	FIELD REPORT
Spurgeon Kuhl &	110 Armour Road North Kansas City, Missouri 6411	6		
Freshnock	Tel. 816.300.4101 Fax. 816.300.4102 www.wskfarch.com			
Architecture	Interior Design	Illustration	(+	Planning

Project: Leavenworth Animal Control Project No.: 12017

Field Report No.: 003 Date: 7/8/13

Date:	7/3/13	Weather:	Sunny
Time:	8:00am		

Temp. Range: High 60's

Est. % of Completion: 5%

Conformance with Schedule (+,-):

1. The project is generally on schedule.

Present at Site:

- 1. Dennis McMillian Wilcott Construction
- 2. Dalyn Novak WSKF Architects
- 3. Excavating Crew (1 worker)

Work in Progress:

- 4. Dennis and Dalyn measured the existing foundation that was found at the west side of the site, directly in front of the new building. The foundation is, on average, 3'-0" wide x 3'-0" deep.
 - a. The dimensions were agreed upon and signed by Wilcott Construction, WSKF Architects, and Frederick Excavating. See attached document for measurements and signatures of approval.
 - Dennis directed the excavator to dig around the foundation at the northwest section to verify that the foundation continued to the west along the north edge. It was confirmed that the foundation continued and this area is included in the attached document.

Observations:

- 5. It appears as though the existing foundation continues under the chain link fence on the west side of the site and possibly under the Price Chopper parking lot.
- 6. A possible cleanout for the sanitary sewer line was found when the excavator was digging around the existing foundation.
- The city had the tanks and the small shed removed from the site.
 - a. Dennis said that he thought they removed them late afternoon/evening of July 2nd.
 - b. Two of the tanks were relocated to the northwest of the site, still on the city's property.
 - c. Contents from the tanks were spilled on the site during the relocation.
- 8. Some of the pier rebar was stored on-site.
- The building pad appeared to be to grade with the building corners staked.
- 10. The staff parking lot has been staked although grading still needs to occur along the north side of the site. There is still a lot of concrete, rebar, miscellaneous debris on the north side of the site.
- 11. An existing storm water inlet and piping was found and removed during grading.
- 12. Most of the dirt from the hotel site has been used. The remaining dirt has debris in it, organic and inorganic material.

13. Asphalt reinforcing fabric was used on the asphalt over the existing foundation.

Items to Verify:

14. None at this time.

Information or Action Required:

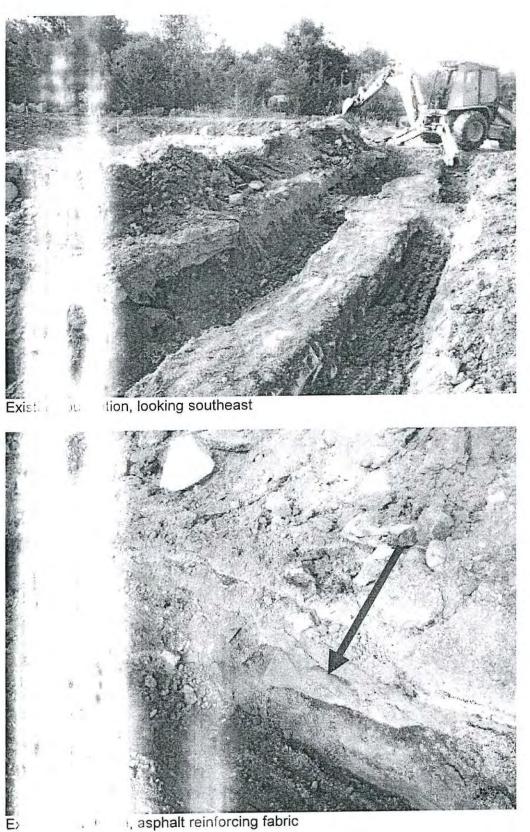
15. Pricing for the removal of the existing foundation is requested from Complete Excavating.

Photos

16. NOTE: 45 photos of the construction progress were taken during the site visit and are on file at WSKF's office.



Bottom Right: Northeast section of the existing foundation that was found



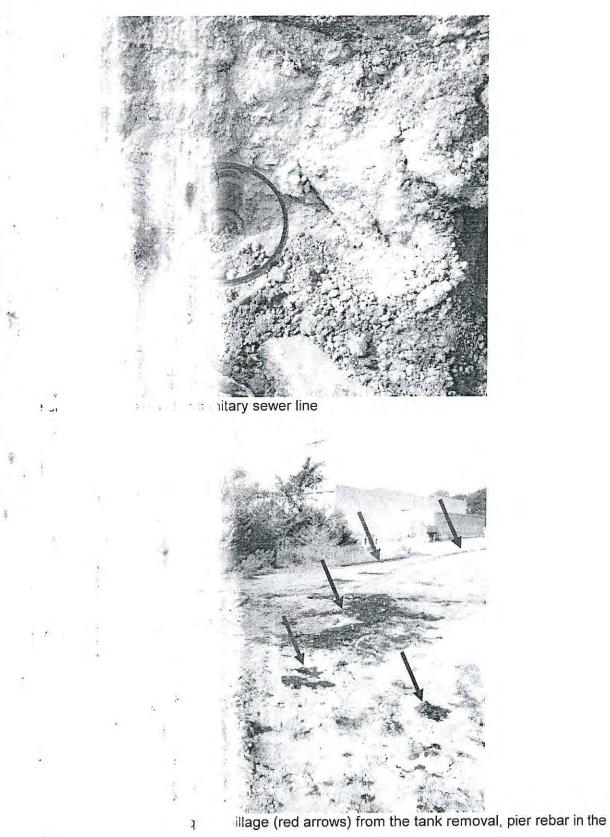
, asphalt reinforcing fabric

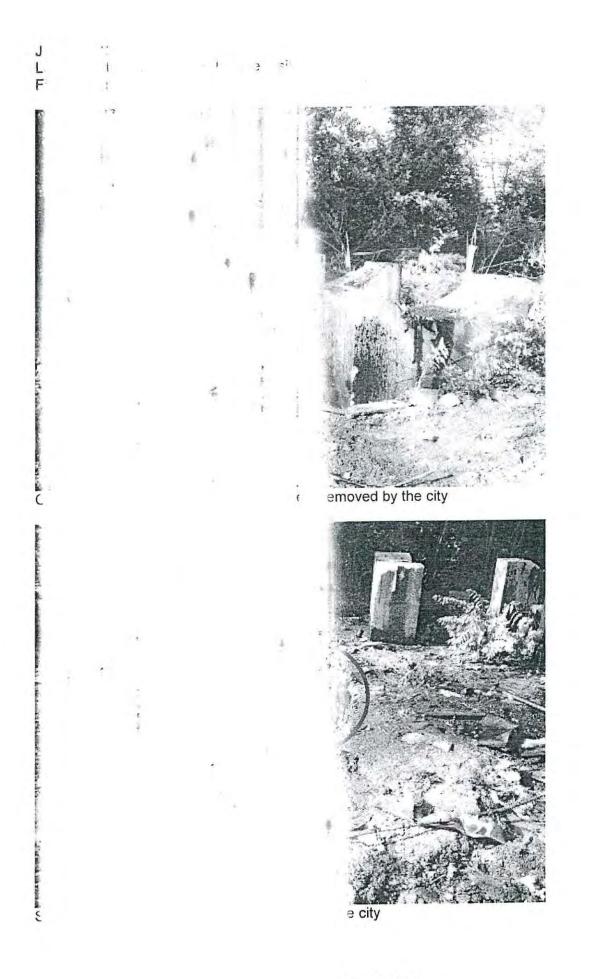
Ju attained Control – Site Visit Fi 1 20

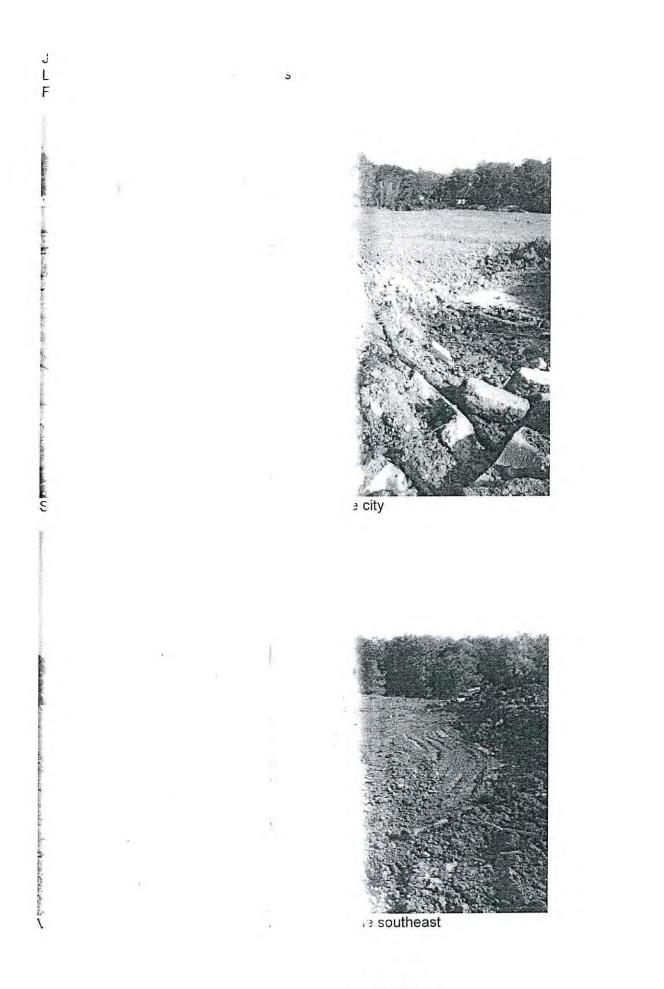
A A A A A A A A A A A

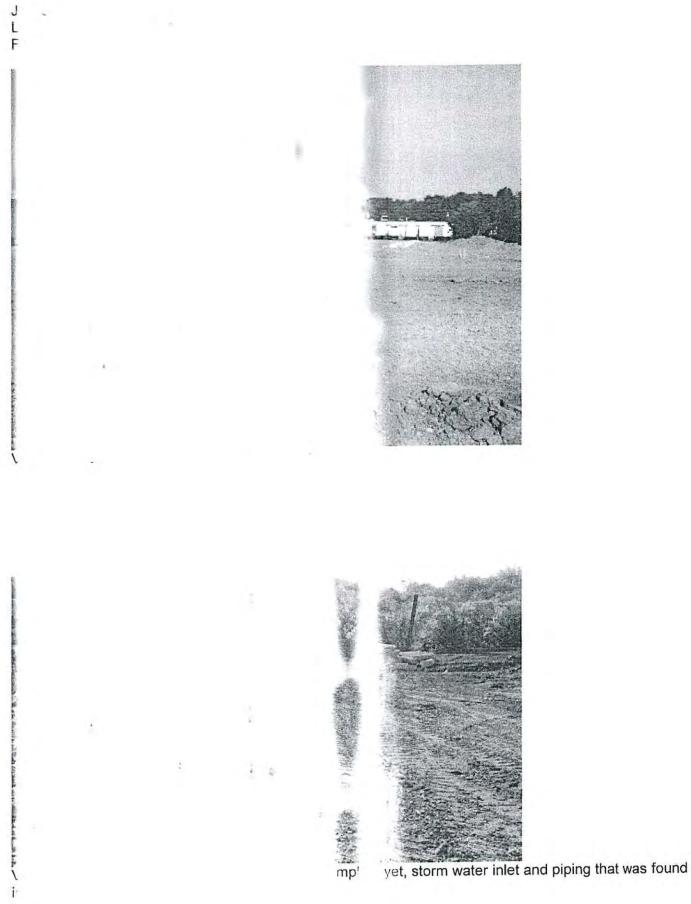
A

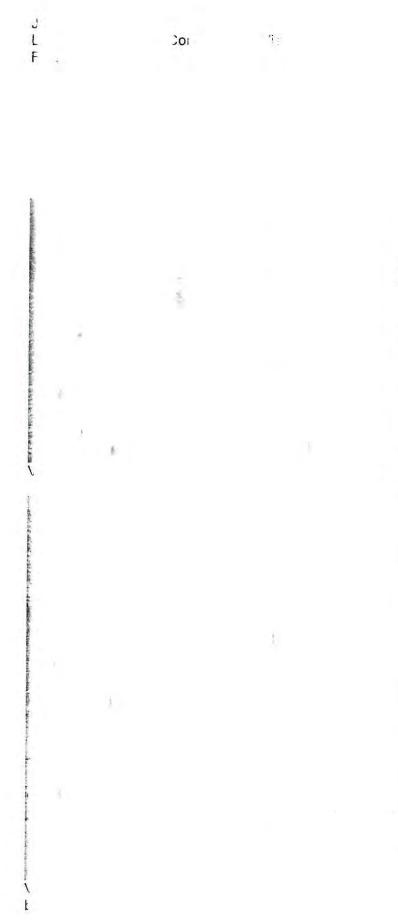
Ť b















orthwest towards the tanks that were removed

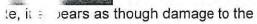


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Top Left: Existing foundation that was used to determine the average width of the foundation

Cardenanda.

. B"slab

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1 **5CAD):** 3' (deep) = 2,632.5 cubic feet ards

/ Dalyn Novak (WSKF) and Dennis

avator could stop 3'-0" from the fence . The 3'-0" of footing shown on the in the 97.5 cubic yards as it is to

5 C

3r.

ing continues on past/under the fence king lot. The 8" concrete slab (see t of the contract work. The remaining phalt.

emove 97.5 cubic yards is requested > Excavating.

WilliamsISpurgeon110 Armour RoadKuhl &North Kansas City, Missouri 64116FreshnockFax. 816.300.4101FreshnockFax. 816.300.4102Www.wskfarch.com

Architecture Interior Design Illustration Planning

Project: Leavenworth Animal Control Project No.: 12017 Field Report No.: 008 Date: 8/14/13

Date:8/14/13Weather:SunnyTime:8:00am

Est. % of Completion: unknown

Conformance with Schedule (+,-):

1. The project is generally on schedule.

Present at Site:

- 1. Dennis McMillian Wilcott Construction
- 2. Dalyn Novak WSKF Architects
- 3. Sean Goecke City of Leavenworth
- 4. Rebar Crew (4 workers)
- 5. Plumbing Crew (3 workers)
- 6. Excavating Crew (1 worker)
- 7. Leavenworth Water Department (3 workers)

Work in Progress:

- 8. The remaining rebar was dropped off this morning and placed north of the Price Chopper parking lot. Steel lintels are the only steel that Dennis says he is currently missing.
- The excavator was digging the trench for the trash enclosure footing with the rebar crew's help.
 a. Much debris (rebar, wooden post, concrete chunks) was brought to the surface with the dirt.
- 10. The plumbing crew was installing the under slab plumbing in the southeast dog claim kennel (Dog Claim 123).
- 11. The Leavenworth Water Department was digging under the building foundation to bring the waterline into the building.
 - a. The Water Department agreed to backfill their trench under the foundation with rock.

Observations:

- 12. The Leavenworth Water Department has completed the majority of the waterline.
 - a. The pipe along the west side of the site has already been covered except for the last section before the turn to the building.
 - b. The fire hydrant was in place although the valve box was not complete.
 - c. There was some damage to the concrete drive adjacent to the waterline trench. This damage appears to have been done during the trenching by the Water Department.
- 13. Dennis stated that the gas line will be installed above the waterline in the same trench.
- 14. Under slab plumbing has been installed in the Multi-purpose Room, Restrooms, Large Dog Adoption and was being installed in Dog Claim 123.
 - a. Plumbing supplies are being stored in the northeast corner of the Price Chopper parking lot.

Temp. Range: Low 70's

- 15. Dennis removed a section of the Price Chopper parking lot chain link fence to get from the parking lot into his storage area to the north of the parking lot.
- 16. Dennis stated that the trees on the east side of the building have been cleared out to the construction limits.
 - a. Sean Goecke was going to talk with Chief Kitchens about where they want the excess site dirt to be located on-site.
 - i. At the last progress meeting Mike McDonald of the Public Works Department said that they do not have the equipment needed to remove trees although he said they would look at the site to see what they could do, if anything.
 - ii. Sean is to update WSKF on the city's intent.
 - b. The removal of the spillage from the tanks has not been cleaned up as of yet. Dennis, Dalyn, and Sean discussed this and Sean said that he would work towards getting Public Works out to clean up the site.
 - i. Dennis also mentioned that there was some spillage in some standing water north of the Price Chopper parking lot as well although none was visible today.

Items to Verify:

17. None at this time.

Information or Action Required:

18. WSKF to provide Dennis with some additional dimensioning for the dog kennel curbs.

Photos

19. NOTE: 43 photos of the construction progress were taken during the site visit and are on file at WSKF's office.



The excavator and rebar crew digging the trench for the trash enclosure footing



Plumbing along the south side of the building, view from center north wall of the Large Dog Adoption room



View of under slab plumbing in the west side of the Large Dog Adoption room, the restrooms, and the multi-purpose room



The rebar that was delivered this morning



Leavenworth Water Department working and the water line which extends all the way to the corner of 3rd & Marion



Stored plumbing supplies



Additional stored plumbing supplies



Damage to the concrete along the west side of the site, adjacent to the water line trench, damage presumably occurred during trenching, view to the north of the west side of the trench



Damage to the concrete along the west side of the site, adjacent to the water line trench, damage presumably occurred during trenching, view to the east of the east side of the trench



Fire hydrant installation with an incomplete valve box



View looking north along the east construction limits



View looking southwest towards the building



Report By: Dalyn Novak Williams Spurgeon Kuhl & Freshnock Architects, Inc. Cc: Attendees, File Standing water that had tank spillage in it, none was noticed during this site visit but noticeable after the tanks were relocated along the property's west edge (see past field reports for tanks temporary location onsite, also note dirt piles in the background which are from the Water Department's waterline trench

KANSAS DEPARTMENT OF H	EALTH AND ENVIRONMENT
Buried Tank Lea	k Assessment Project Code: 04/052/868 B
Scheduled Inspection Date// Time:	AM/PM Project Name: Lawen worth Shop
Date of Initial Report 11 / 4 /92	Status ACTIVE CLOSED HOLD MONITOR
	DID City Shop 02 Lequen worth Shop
	Street Address 3rd & Morion, Gara
City Lequenworth Zip	
Legal Location / / /5E/36 / 9 /	
1/4 1/4 1/4 Section Township OWNER: (if different) Owner I.D Cor	
Contact NameAddre	
City State Zip	
Removal or repair company <u>Bills Rump &</u>	
Contact: BILI EDMAN I.D. No.	
Following the site investigation or review of consu	
Date(s) of inspection $\frac{11}{4}$ $\frac{92}{92}$ Not on site, based on consultants repo	
This BTLA documents the required assessment in response to: <u>K</u> UST Remova	
TANK EXCAVATION AREA	EMERGENCY CONDITIONS (NOTIFY CENTRAL OFFICE IMMEDIATELY) Public water or sewer lines are effected
Remaining soil is within KDHE standards Remaining soil is above KDHE standards	Vapors have entered a home or business
Maximum level remaining ppm	A public or private drinking water supply well has been contaminated
Maximum depth of contamination encountered ft	SUPPLY EMERGENCY RESPONSE DETAILS AT BOTTOM OF PAGE
Contaminated soil was removed. Quantity removedyds	
BURIED LINE INFORMATION	IF SITE REMAINS CONTAMINATED COMPLETE REMAINDER OF COLUMN
Yes No Product lines were removed. If No, pressure tested?	GROUNDWATER INFORMATION (MARK THOSE WHICH APPLY)
Yes No Site assessment of line trenches was performed	Groundwater contamination was confirmed on site above KALs
Remaining line area soil is within KDHE standards	Groundwater contamination was confirmed off site above KALs
Remaining line area soil is above KDHE standards	Free product is present on the groundwater
Maximum level remainingppm	Soil contamination is widespread
Maximum depth of contamination encounteredft	Contamination threatens water or sewer lines
Contaminated soil was removed. Quantity removedyds	No groundwater is present within the site area
REGULATED SUBSTANCES STORED AT THE SITE # USTs Removed	The unsaturated zone is more than 25% sand or silt.
Gasoline (check if more than 500 gal. released)	Estimated aquifer yield of area (if known)
Diesel fuel (check if more than 500 gal. released)	Estimated depth to groundwater (if known)
Waste oil (check if more than 500 gal. released)	WATER SUPPLIES WITHIN THE AREA (write unknown if uncertain)
Other(check if > 500 gal. released)	Public water supply within 1/4 mile of the site Domestic wells within 1/4 mile of site (how many)
Drager field test (Number of tests	Describe all other water supply wells within 1/4 mile of the site
other (describe	
OTHER 10V 1.2	
KDHE will request further site investigation be conducted 12 1992	THREATENED POPULATION OR UTILITIES (MARK ALL THAT APPLY)
No further action will be requested by KDHE	Residential (homes within 100' WHICH ARE THREATENED)
Soil removed to approved disposal location/treatment method:	Commercial (businesses within 100' WHICH ARE THREATENED)
CONTENTIONED IN APPROVED DISPOSED TOCALION TREATING MEMORY TO	Industrial area
Petroleum storage, tank release Trust fund application was provided 10N	Rural area
	OTHER
	Homes within the area are underlain by contamination
PROVIDE ADDITIONAL INFORMATION WHICH WILL BE IMPO	RTANT IN RANKING THE SITE FOR REMEDIAL ACTION.
*	

Provide the following information as availab	••••	• • •
Leak Date/ Discovery Date/	/ Leak Duration	
Material Leaked 10 Leaks Qua	antity Lost	Quantity recovered
Leak Type: 1)Tank 2)Piping 3)Spill/Ov	/erfill 4)Other,	
Dispenser Type: 1) Pressure 2) Suc		
Cause of Leak: 1)Corrosion 2)Rupture 3)	Installation Practices4	4)Other5)Spill/Overfill
How was the leak discovered?		
91		
Who reported the leak?97	Phone No.	
Representing		
Describeleakageincident:		
· · · · · · · · · · · · · · · · · · ·		
Have all potential contamination sources beer	ruled out or tested? (Describe. Attach list if numerous)
Areal Geology/Groundwater <u>chay</u> , n		
	GW Depth =f	GW Flow Direction =
Describe extent of Groundwater Contamination	Unknown at th	is fime
Describe cleanup measures, current and future. Attach all correspondence, test well logs, tank test results, and other useful information.	other potential sources	s, area wells, sewers, groundwater
Remove 1 300 gallon waste oil	/	
UGST, no cont. soil found	2	
at this time.	-	
	-	
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	-	
••••••••••••••••••••••••••••••••••••••	- ` `	
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	-	<u>.</u>
*	-	
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-	-	
Investigator Signature	de .	Date 1/ 1/0 192

	PERMANENT TANK ABANDONMENT
	Submit to: Kansas Dept. of Health and Environment: Bureau of Environmental Remediation Underground Storage Tank Section Forbes Field, Bldg. 740 Topeka, Kansas 66620 Closure Date <u>Mar 5-94</u>
	Please Print Clearly or Type
	I. Tank Owner Name <u>City of Leaven worth</u> Showner I.D. <u>08286</u> Address <u>796 Thornton</u> <u>Leavenworth Ks (6048</u> (street) (city) (state) (zip)
	Contact Name (if different) <u>BOB PGSW9</u>
a	II. Facility Name Facility I.D. DS28/2 Facility Address <u>3rd J Thornton</u> <u>Leavenworth Lv</u> (street) (city) (county)
	III. Please provide information about the tanks being taken out of service:
1	A. Age of tanks (in years) WED 7
	B. Tank Capacity NOV 9 1992 300
£.	C. Tank Material
	D. Substance last stored DIATION What of
	E. Method of abandonment (please circle) filled or filled or filled or removed removed
	F. If the tanks are filled in place, please indicate the material used: sand cement gravel other
14	If other, please specify.
	G. If tanks were removed, describe tank disposal. approved, electry
	H. Who performed the site assessment required by law? KDHE \angle Other
	If other, please specify
10	I. Were the tanks abandoned because of a release? yes no_ \swarrow
	IV. How many active tanks are there remaining at this facility?
	V. Abandonment Contractor Bills Jump J Keptin Snu.
,	Contact Bill Calman Telephone 913-841-1750
	I certify that the tanks were abandoned in accordance with all federal, state and local regulations.
	Melo-92
в	(date)
	· · · ·

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KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

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Buried Tank Leak Assessment

· ·	LEAVEN WORTH
	Project Name: CITY GARAGE
ate of Initial Report FEBUARX 22, 19	91 Status CLOSED HOLD ACTIVE MONITOR
ACILITY INFORMATION:	02
Contact Name BOB PATZ WALD	Company CITY GARAGE
	City LEAVEN WORTH
State KANSAS Zip 36	Telephone No. (9/3) - 682 -0650
Legal Location <u>NW-NW-SE Sec. T 795</u>	RZZE HISB County LEAVENWORTH
WNER (if different): Contact Name	· .
Company	Address
State Zip	Telephone No
	Discovery Date
	Quantity Lost
	Quantity Recovered
	ing 3. Overfill
4. Other (Please Describe)	
	2. Suction
	Rupture 3. Installation Practices
4. Other (Please Describe)	
How was the leak discovered?	0
Who reported the leak?OB	Phone No
Representing	Address
Describe leakage incident:	
	· · · · · · · · · · · · · · · · · · ·
TANK EXCAVATION	
xxxx no contaminated soil contaminated soil below KDHE remediation levels	Petroleum Storage Tank Release Trust Fund Application was provided
contaminated soil removed, remaining contamination below contaminated soil removed, contamination remains above	
LINES $\swarrow_{\chi} \swarrow$ lines were removed	
lines were not removed lines were not removed	O By ABrith & Bar
no contaminated soil below KDHE remediation levels	
contaminated soil removed, remaining contamination below contaminated soil removed, contamination remains above	
OTHER	MAR _ 4 1991
Based on Dreger analysis Emergency Response taken	
Includes any of the following:	ENVIRONMENTAL
venting vapors (sewer, basement) provide bottled water	REMEDIATION
dig trench for immediate interception KDHE will request installation of monitoring well	
KDHE will request site investigation to be conducted $\times \overline{XX}$ no further action will be requested by KDHE	7/90
2014 (2) MAIL 1	

Company Double Check Contact: John Hartnett Telephone No. 816 - 921- 5032 Address R.O Box 300-347 Kansas City Mo 64130 Have all potential sources been ruled out or tested? (Describe and attach list, ifnumerous ArealGeology/Groundwater 4 . . . Extent of Groundwater Contamination No Groundwater Contamination Attach a map documenting the leak location, other potential sources, area wells, sewers, groundwater flow direction and other threatened or affected facilities. Attach all correspondence, test well logs, tank test results, and other useful information. Describe cleanup measures, current and future. They removed one 6,000 gollon fuel oil No 2 UGST, the tank was not leaking and no contamination surrounding the tank. ۰. di e يرجه والعديد a statistica e se a Investigator Signature Yout Made ____ Date 2/25/91

MIKE HAYDEN	-	
Governor		
XXXXXXXXXXXX	XXXXXX	
XXXXXXX		
Stanley C.	Grant, 1	Ph.D
Secretary _		



Forbes Field Topeka, KS 66620-0001 (913) 862-9360

DEPARTMENT OF HEALTH AND ENVIRONMENT

June 29, 1987

Robert Patzwald City of Leavenworth - Garage 5th & Shawnee Leavenworth, Kansas 66048

Dear Mr. Patzwald:

This is to acknowledge that you filed a Notification of Hazardous Waste Activity Form on June 3, 1987 for the facility located at the address shown below to comply with both state and federal regulations. The EPA Identification Number, type of hazardous waste activity and a description of hazardous waste are listed below. This number must be included on all shipping manifests for transporting hazardous waste; on all annual reports that generators of hazardous waste and owners of hazardous waste treatment, storage and disposal facilities must file with the state; on all applications for hazardous waste permits; and other correspondence related to your hazardous waste management activities.

EPA Identification Number: KSD065766701

Installation Address: 3rd & Marion Leavenworth, Kansas 66048

Type of Hazardous Waste Activity: Generator

Description of Hazardous Waste: D001, D002

Since the State of Kansas received authorization from EPA to conduct the state's generator and transporter hazardous waste program in lieu of the respective federal program, we are to be notified of any additions to and/or modifications of the information provided on your notification. All questions or assistance pertaining to the handling of hazardous waste should also be directed to this office.

Sincerely yours,

John W. Mitchell^C Hazardous Waste Section Bureau of Waste Management

JWM:ah/23G cc: District Office - Lawrence



DEPARTMENT OF HEALTH AND ENVIRONMENT Forbes Field Topeka, Kansas 66620-0001 Phone (913) 296-1500

Mike Hayden, Governor

Stanley C. Grant, Ph.D., Secretary Gary K. Hulett, Ph.D., Under Secretary

September 14, 1987

Robert Patzwald City of Leavenworth - Garage 5th and Shawnee Leavenworth, Kansas 66048

Dear Mr. Patzwald:

In my June 3, 1987 letter to you, the City of Leavenworth - Garage at 5th and Shawnee was assigned EPA identification number KSD065766701.

The EPA Regional Office has determined this identification number is incorrect and should not be used. They have assigned EPA identification number KSD980632210 to the 5th and Shawnee location.

I am sorry if this has caused you any inconvenience.

Sincerely yours,

W. Mitchell

John W. Mitchel Hazardous Waste Section Bureau of Waste Management

JWM:df

C Jane Ratcliff District Office - Lawrence

State of Kansas Joan Finney, Governor



Department of Health and Environment Azzie Young, Ph.D., Secretary

Northeast District Office 608 W.24th Street Lawrence, Kansas 66046-4417 Reply to: (913) 842-4600 FAX: 842-3537

September 26, 1991

BURLAU OF SEP 3 0 1991 AIR and WASTE MANAGEL ENT

Mr. Robert Lowry Assistant Public Works Director City Hall 5th & Shawnee Leavenworth, Kansas 56048

Re: Hazardous Waste Compliance Inspection City Service Center 2101 South 3rd. Leavenworth, Kansas 66048 EPA Identification Number KSD980632210

Dear Mr. Lowry:

On September 24, 1991, your facility was inspected to determine compliance with state hazardous waste regulations.

The inspection revealed your facility generates the following hazardous wastes as defined by 40 CFR, Part 261, Subparts C & D as adopted by 4.A.R. 28-31-2:

	Wastes Generated	Waste	Codes
1.	Safety-Kleen Solvent		DG01
2.	Paint Contaminated Thinner		F005

The quantity generated is more than 25 kilograms (approximately 55 pounds) but less than 1000 kilograms (approximately 2200 pounds) per month. Your facility is considered a Kansas generator and is regulated under K.A.R. 23-31-4 excluding K.A.R. 23-31-4 excluding K.A.R. 23-31-4 (g) and K.A.R. 28-31-4(m).

As a Kansas generator, you must comply with the requirements listed on rages 8 and 9 of the enclosed Bulletin 4.12, *Hazardous Waste Generator's Handbook*. Basically, these regulations require you to obtain an EPA Identification Number, manifest wastes shipped off-site, package, label, mark, and placard all containers, maintain records, and meet storage requirements. In addition, you must conduct personnel training and meet emergency response requirements. Robert Lowry/Leavenworth September 26, 1991 Page 2

The inspection identified the following items not in compliance with state and federal regulations concerning generators of hazardous waste:

- The inspection revealed that paint contaminated thinner is disposed by dumping it on the ground. This method of disposal is illegal and must be discontinued immediately. (K.S.A. 64-3441, Unlawful Acts) Waste thinner must be accumulated in a properly marked container for disposal as hazardous waste.
- 2. When there is a change in the information originally submitted to obtain an EPA identification number, the generator must update that information. These changes shall be submitted to the department on a form supplied by the department. K.A.R. 28-31-4 (C)(1).

Please submit the enclosed subsequent notification form showing the change of address of the City Service Center.

The above violations must be corrected by October 31, 1991. Notify the department in writing when corrected and identify the corrective action taken for each violation noted.

The inspection revealed an area of visibly contaminated soil located on the north side of the sign shop. According to information provided, waste paint and paint contaminated thinner are disposed in this area. As a result of the contamination, the soil in the subject area has the potential of being classified as hazardous waste. Therefore, soil samples must be collected for Toxicity Characteristic Leaching Procedure (TCLP) testing. The testing must be conducted by a laboratory certified by the state of Kansas. You were instructed to collect a composite sample at 6" and 18-24" [two (2) samples] and to provide the department with a drawing of the contaminated area showing the sample collection Please provide the department with test results and other requested points. information by October 31, 1991. Also, there is evidence of waste paint and paint thinner being dumped into a storm drain located near the sign shop. The storm drain discharges to 5 Mile Creek which courses through the east side of the City Service Center. The practice of disposing of paint wastes in this manner must be discontinued immediately. As previously indicated, paint wastes must be accumulated for proper disposal. A copy of this report will be provided to the Bureau of Water for appropriate follow up.

The inspection also revealed the city service center is moving to the old Missouri Valley Fabricator's site and that the existing site will be cleaned up. Part of the clean-up should involve the removal of oil stained areas, with the contaminated soil taken to the landfill. Paint contaminated soil may require disposal as hazardous waste in accordance with state and federal regulations. In order that disposal records be maintained, please provide the department with documentation reflecting the quantity of oil contaminated soil disposed at the landfill.



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Robert Lowry/Leavenworth September 26, 1991 Page 3

Your cooperation with the hazardous waste management program is appreciated. If you have questions concerning this letter, please call me at the Northeast District Office at 913/842-4600.

Respectfully,

Jim Fischer Environmental Technician Inspections and Enforcement Section Bureau of Air and Waste Management

JF:tm

pc: Tom Gross, Bureau of Air and Waste Management Steve Broslavick, Bureau of Air and Waste Management Charles Linn, Bureau of Air and Waste Management Marian Massoth, Bureau of Water NEDO



Kansas Department of Health and Environment Bureau of Air and Waste Management Forbes Field, Topeka, Kansas 66620

Hazardous Waste Generator/Transporter Compliance Inspection Report

Genera	1				
		Time	9;00 A	Date Sep	t. 24, 1991
Facility Name	City Service Center	_	EPA ID No.	KSD98063221	0 -
Street	2101 S. 3rd. City	Leave	enworth	, KS Zip	66048
Mailing Addres	ss (If different than above) Hall _5th & Shaw	nee	Leaven	worth, KS	66048
County Lea	avenworth		Phone (913) 682-9	9201
Contact(s)	Robert Patzwald , Supervisor				
	~				
Inspector(s)	Jim Fischer				
Type of Busine	ess City garage				
Has the compa If yes, explain.	any declared any information/processes as trade secrets	(KSA	65-3447)?	Ye	es No

Industrial Wastes Generated

(List hazardous wastes first)

Waste:	Safety-Kleen Solvent	Paint Contaminated Thinner (Toluene)		
If waste is hazardous, give HW ID Number:	D001	F005 (Line Flush)		
Amount generated per month:	2 30 gal. Winits	Seasonal220 gal. per yr.		
Amount presently in storage:		None		
Accumulation time:	Monthly			
Present disposal method:	Safety-Kleen Corp.	Dumped on ground-storm drain		

Waste:	T T	
Masie.	Used oil	Reg. trash
If waste is hazardous, give HW ID Number:		
Amount generated per month:	Varies	
Amount presently in storage:	Approx. 300 gal, Drums and 300 gal. above ground tank	
Accumulation time:		
Present disposal method:	Industrial Service Corp. Burned in on-site space heater	Leavenworth County Landfill

Waste:	
If waste is hazardous, give HW ID Number:	
Amount generated per month:	
Amount presently in storage:	
Accumulation time:	
Present disposal method:	

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	-	-	
Waste:			
If waste is hazardous, give HW ID Number:			
Amount generated per month:			
Amount presently in storage:			
Accumulation time:			
Present disposal method:			-

G	eneral Requirements (GGR)			
۱.	Has the facility evaluated all potentially hazardous waste(s) to determine if it is hazardous? (KAR 28-31-4(b))	Yes	No	
	A. If waste(s) was tested, was the analysis conducted by a laboratory certified by KDHE? (KAR 28-31-4(b)(3)(A))	Yes	No	NA
	B. If waste(s) was tested, are the results kept for three years? (KAR 28-31-4(f)(1)(C))?	Yes	No	NA
II.	If hazardous waste(s) is disposed of via the sanitary sewer to a Publicly Owned Treatment Works (POTW), has written permission been obtained from the operator of the POTW? (KAR 28-31-3/40 CFR 261.4)	Yes	No	NA
III.	If industrial waste(s) is disposed of at a permitted sanitary landfill, has a disposal authorization been obtained? (KAR 28-29-23)	Yes Yes	No	NA
	A. If yes, list the authorization number(s):			
IV.	Facility size classification:		8	
	Image: Not a Generator Image: Small Qty. Generator Image: Kansas Generator Image: EPA Generator Image: Transporter Image: Kansas Generator Image: Kansas Generator Image: Kansas Generator Image: Kansas Generator Image: Transporter Image: Kansas Generator Image: Kansas Generator <t< td=""><td></td><td>arketer</td><td></td></t<>		arketer	
L	azardous Waste Determination Requirements: Adequate			
	lotification Requirements (GGR)			
v.	Has generator notified KDHE and obtained an EPA Identification Number? (KAR 28-31-4(c))	Yes	NO	NA
VI.	Is current notification accurate? (KAR 28-31-4(c)(1))	Yes	No	NA
	A. Is this facility marketing (selling) hazardous waste as a fuel?	Yes	No	NA
	B. Is this facility marketing (selling) used oil as a fuel?	Yes	NO	NA
	(If yes, to either question A or B, complete Used Oil Fuel Marketers/Blenders Checklist.)			
	C. Is this facility burning hazardous waste as a fuel?	Yes	No	NA
	D. Is this facility burning used oil as a fuel? Space Wepter	Yes) No	NA

Notification Requirements:	Adequate	Inadequate	□ NA
The second se			

(If small quantity generator, stop here.)

Manifests (GMR)

262.20(e)(1-2)) Yes No A: If yes, does the contractural agreement include the type of waste and frequency of shipments? Yes No B. If yes, is the vehicle used to transport the waste owned and operated by the reclaimer of the waste? Yes No C. If yes, is the vehicle used to transport the waste owned and operated by the reclaimer of the waste? Yes No C. If yes, is the vehicle used to transport the waste owned and operated by the reclaimer of the waste? Yes No A: If yes, does manifest showing revision date and burden disclosure statement used? (KAR 22-31-4(d)/40 CFR 262-20) Yes No Wes A: If yes, does manifest(s) include: . Generator EPA Identification Number (12 digit) and manifest document number (five digit)? Yes No Wes 2. Number of pages? Mode constant with the state of the state o	Mar	nife	esting Requirements:	1000		A
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		A:	If yes, does the contractural agreement include the type of waste and frequency of	Yes)	No	
				Yes	No	

	-		-		
and Disposal	Restrictions	Requirements	(GLB)		
		ne land disposal restrictions	s requirements of 40	Yes	No
A _ Dool		D			
B. FOOS		E		3	
c		F			
		e(s), Extension, or Petition?		Yes	Ņo
Is the waste covered b	by an exemption? (40 Cf	FR 268.1(c)(2))		Yes	No
				Yes	No
or disposal?				Yes	No
hazardous waste	number(s), applicable tr	eatment standards, manife		Yes	No
B. If yes, is a copy of	this notification kept for	r five years?		Yes	No
				Yes	No
nd Disposal Restrictio	ons Requirements:	Adequate	Inadequate		NA
re-Transport	Requirement	s (GPT)			
			NOT Shipping	WAS	tes
Does generator packa	ige waste in accordance	with DOT requirements?		Yes	NO NA
			cordance with DOT	Yes	No NA
				Van	NO MA
	A REAL PROPERTY OF THE REAL PR			Yes	NO NA
	Hazardous Waste	-Federal Law Prohibits Improp	er Disposal.		
		Manifest Document Number			
	Does facility generate CFR 268, Subparts B a List these wastes: A	Does facility generate any wastes subject to the CFR 268, Subparts B and C? List these wastes: A	Does facility generate any wastes subject to the land disposal restrictions CFR 268, Subparts B and C? List these wastes: A	List these wastes: A	Does facility generate any wastes subject to the land disposal restrictions requirements of 40 Ves List these wastes: D

F? (KAR 28-31-4(e)(4))

Yes No NA

Pre-Transport Requirements:	Adequate	🗌 Inadequate			A
Biennial Reports (GRR)					
 KIX. Has generator submitted a biennial rep A. If yes, does generator retain copies (Note: compare quantities reported on 	for three years? (KAR 28-31-4(f)	(1)(B))	Yes Yes or those	No No years.	NA NA
Biennial Report Requirements:	Adequate	🗌 Inadequate			
Special Conditions (GS	C)				
 KX. Has generator received or transported (40 CFR Subpart E & F) A. If yes, has generator filed a notice v B. Is waste manifested and signed by C. If generator transports waste out o been received? 	with the Secretary of Health and I a foreign consignee?	Environment?	Yes Yes Yes Yes	No No No	
Special Conditions Requirements:	Adequate	🗌 Inadequate			A
Storage Requirements	Splety-4	Clean Solut ON	Yes Yes	No	A 1A
A. For 90 days or less?					NA
A. For 90 days or less?B. For more than 90 days?			Yes	No	NA
A. For 90 days or less?		AR 28-31-4(g)(3) or			NA
 A. For 90 days or less? B. For more than 90 days? C. If waste is stored in containers: Are containers marked with the (h)(1)(D)) 2. Is the accumulation start date (h)(1)(C)) 	e words: "Hazardous Waste"? (KA	28-31-4(g)(2) or	Yes	No	
 A. For 90 days or less? B. For more than 90 days? C. If waste is stored in containers: Are containers marked with the (h)(1)(D)) Is the accumulation start date (h)(1)(C)) Are all containers holding haza necessary to add or remove w 	e words: "Hazardous Waste"? (KA marked on each container? (KAR ardous waste closed during stora raste? (KAR 28-31-4(g)(1) or (h)(1	28-31-4(g)(2) or ge except when)(B))	Yes Yes	No No	NE E
 B. For more than 90 days? C. If waste is stored in containers: Are containers marked with the (h)(1)(D)) Is the accumulation start date (h)(1)(C)) Are all containers holding haza necessary to add or remove w Does generator conduct week deterioration caused by corror 	e words: "Hazardous Waste"? (KA marked on each container? (KAR ardous waste closed during stora raste? (KAR 28-31-4(g)(1) or (h)(1	28-31-4(g)(2) or ge except when)(B)) gns of leakage and/or -4(k))	Yes Yes Yes	No No No	E E E

			-			
	 Are containers holding ignitible o from the facility's property line? (40 CFR 265.176) 			Yes	No	NA
	. If waste in containers is incompare	ible with other materials stored	nearby, are the			
	containers separated from the ot	her materials by means of a dik				C
	means? (KAR 28-31-4(g)(1) or (h)			Yes	No	NA
	. Does generator have any satellite	storage areas? (KAR 28-31-4()))	Yes	No	NA
	If yes,					
	a. Is the waste stored in a contain		ration and under the	100	25	
	control of the operator of the p			Yes	No	
	 b. Is the container in good condi c. Is the container marked with ti 		or remove waste?	Yes Yes	No No	
	 d. Is the container marked with the 	가 있는 것은 것이 있는 것은 것을 잘 생각하는 것이 것을 하는 것을 얻는 것을 하는 것을 수 있다.	e time it becomes full?	Yes	No	
	e. Is the full container moved to t			Yes	No	
	(If waste(s) is placed in tanks, piles Inspection checklist.)	s, or surface impoundments, co	mplete the appropriate			
Storage	Requirements:	Adequate	inadequate	- 1.6	4N	Ά
	s the emergency coordinator availab within a short period of time? s the emergency coordinator or his/			Ves	No	
	fires, spills, or releases) that arise?			Yes	No	
C. 1	s the emergency coodinator familiar	with the reporting requirement	s of KAR 28-31-4(h)(2)?	Yes	No	
	e following information posted next t ssable in an emergency? (KAR 28-3	o at least one telephone which	is immediately			
A						
	Name and telephone of emergency of	I-4(h)(1)(F))		Yes	No	
	Name and telephone of emergency of Location of fire extinguishers, fire ala	coordinator?	available?	Yes	No No	
В.		1-4(h)(1)(F)) coordinator? rms, or spill control material, if		Yes Yes		NA
B. C. XXIV.Havi eme	Location of fire extinguishers, fire ala Telephone number of fire department e employees been trained so that the rgency procedures that are relevant	I-4(h)(1)(F)) coordinator? rms, or spill control material, if t unless the facility has a direct by are familiar with proper waste	alarm? e handling and	1	No	NA
B. C. XXIV.Have eme oper	Location of fire extinguishers, fire ala relephone number of fire department e employees been trained so that the	i-4(h)(1)(F)) coordinator? rms, or spill control material, if t unless the facility has a direct by are familiar with proper waste to their responsibilities during n	alarm? e handling and	Yes	No No	N/

. A

(If Kansas generator, stop here.)

Ρ	rep	paredness and Prevention (GPT)			
ocv.		ppropriate, based upon the nature and quantity of waste(s) generated and stored at the ility, is the facility equipped with:			
	A.	Internal communication or alarm system easily accessable in case of emergency? (KAR 28-31-4(g)(4)/40 CFR 265.32(a))	Yes	No	NA
	В.	Telephone or hand-held two-way radio capable of summoning emergency response personnel? (KAR 28-31-4(g)(4)/40 CFR 265.32(b))	Yes	No	NA
	C.	Portable fire extinguisher, fire control equipment, spill control equipment, and decontamination equipment? (KAR 28-31-4(g)(4)/40 CFR 265.32(c))	Yes	No	NA
	D.	Is water of adequate volume provided for hose streams, foam producing equipment, sprinklers, etc.? (KAR 28-31-4(g)(4)/40 CFR 265.32(d))	Yes	No	NA
	E.	Is this equipment (A-C above) tested and maintained to ensure its proper operation? (KAR 28-31-4(g)(4)/40 CFR 265.33)	Yes	No	NA
xxv		es a check of the facility show sufficient aisle space to allow unobstructed movement of sonnel and equipment? (KAR 28-31-4(g)(4)/40 CFR 265.35)	Yes	No	NA
xxv		appropriate for the type(s) of waste handled, has the owner/operator made the following angements:			
	A.	Familiarized the local emergency authorities with the facility, waste(s) handled, entrances and exits? (KAR 28-31-4(g)(4)/40 CFR 265.37(a)(1))	Yes	No	NA
,k	В.	Designated one authority where one or more police or fire departments might respond to an emergency? (KAR 28-31-4(g)(4)/40 CFR 265.37(a)(2))	Yes	No	NA
	C.	Made agreements with local emergency response teams, emergency response contractors, and equipment suppliers? (KAR 28-31-4(g)(4)/40 CFR 265.37(a)(3))	Yes	No	NA
	D.	Familiarized local hospitals with the properties of hazardous waste(s) handled and types of injuries which could result from fires, explosions, or releases at the facility? (KAR 28-31-4(g)(4)/40 CFR 265.37(a)(4))	Yes	No	NA
xxv		cases where local authorities decline to enter into such arrangements, is the refusal entered he operating record? (KAR 28-31-4(g)(4)/40 CFR 265.37(b))	Yes	No	NA
-		edness and Prevention Requirements: Adequate Inadequate			

		e owner/operator established a hazardous waste management training program? (KAR I(g)(4)/40 CFR 265.16)	Yes	No	
A		the program directed by a person trained in hazardous waste management? (40 CFR 5.16(a)(2))	Yes	No	
В.	Are	e new personnel trained within six months after their employment? (40 CFR 265.16(b))	Yes	No	
C.	Are	e new employees supervised until training is completed? (40 CFR 265.16(b))	Yes	No	
D.	Aft	er initial training, are employees trained on an annual basis? (40 CFR 265.16(c))	Yes	No	
E.	Do	es the facility maintain the following documents and records:			
	1.	Job title and job description for each position related to hazardous waste management? (40 CFR 265.16(d)(1)&(2))	Yes	No	
	2.	Description of type and amount of training to be given each person? (40 CFR 265.16(d)(3))	Yes	No	
	3.	Records of training given to facility personnel? (40 CFR 265.16(d)(4))	Yes	No	
Perso	nnel	Training Requirements: Adequate Inadequate			



City of LEAVENWORTH, KANSAS

City Hall 66048 913/682-9201

K. D. H. E.

1661 92 dES

September 25, 1991

James D. Fischer 808 West 24th. St. Lawrence, Kansas 66046-4417

Mr. Fischer,

Bob Patzwald asked me to send you the enclosed material safety data sheets on toluene. This product is used by the Street Department as a paint thinner.

Sincerely,

Blause

Connie Jacobs, Refuse/Street Clerk

4	ETY DATA SHEET
002 ***	ICLE 1001
	SEP 26 1991
MATERIAL SAF	ETY DATA SHEET
CHEMTECH INDUSTRIES, INC. 1655 DES PERES ROAD P.O. BOX 31000 ST. LOUIS, MO 63131 PHONE: (314) 966-9900	REV: 04/19/89 K. D. H. E. PAGE 1 NORTHEASTOD 0110 B/L 117311 HEALTH = 3 REACTIVITY = 0 FIRE = 3 EQUIPMENT = _
FOR EMERGENCIES INVOLVING SPILL,LEAK,FIRE OR EXPOSURE, CALL 1-800-424-9300 DAY OR NIGHT	HAZARD RATINGS: 0 = LEAST 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
SECTION I PRODU	CT DESCRIPTION ************************************
PRODUCT NAME: TOLUENE/TOLUOL	
SYNDNYMS: METHYL BENZENE;	TOLUOL
CHEMICAL FAMILY: AROMATIC HYDROC	ARBON
SECTION II management PRODU	CT COMPOSITION
SECTION II menemenemenemene PRODU	VOL % CAS # TLV
INGREDIENT TOLUENE (THIS PRODUCT IS CONSIDERED TO BE DATA MUST BE SUBMITTED ANNUALLY T PROCESS OR OTHERWISE USE THIS PRO	VOL %CAS #TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS O THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES RMATION MUST BE INCLUDED IN ALL MSDS THAT
INGREDIENT TOLUENE (THIS PRODUCT IS CONSIDERED TO BE DATA MUST BE SUBMITTED ANNUALLY T PROCESS OR OTHERWISE USE THIS PRO ESTABLISHED BY THE EPA. THIS INFO ARE COPIED AND DISTRIBUTED FOR TH	VOL %CAS #TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS O THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES RMATION MUST BE INCLUDED IN ALL MSDS THAT
INGREDIENT TOLUENE (THIS PRODUCT IS CONSIDERED TO BE DATA MUST BE SUBMITTED ANNUALLY T PROCESS OR OTHERWISE USE THIS PRO ESTABLISHED BY THE EPA. THIS INFO ARE COPIED AND DISTRIBUTED FOR TH SECTION III ================================	VOL %CAS #TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS D THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES IRMATION MUST BE INCLUDED IN ALL MSDS THAT IS PRODUCT.)
INGREDIENT TOLUENE (THIS PRODUCT IS CONSIDERED TO BE DATA MUST BE SUBMITTED ANNUALLY T PROCESS OR OTHERWISE USE THIS PRO ESTABLISHED BY THE EPA. THIS INFO ARE COPIED AND DISTRIBUTED FOR TH SECTION III ================================	VOL % CAS # TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS 0 THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES RMATION MUST BE INCLUDED IN ALL MSDS THAT IS PRODUCT.) CAL PROPERTIES
INGREDIENT	VOL % CAS # TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS 0 THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES RMATION MUST BE INCLUDED IN ALL MSDS THAT IS PRODUCT.) CAL PROPERTIES ====================================
INGREDIENT	VOL % CAS # TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS 0 THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES RMATION MUST BE INCLUDED IN ALL MSDS THAT IS PRODUCT.) CAL PROPERTIES ====================================
INGREDIENT TOLUENE OTHIS PRODUCT IS CONSIDERED TO BE DATA MUST BE SUBMITTED ANNUALLY TO PROCESS OR OTHERWISE USE THIS PRODESTABLISHED BY THE EPA. THIS INFO ARE COPIED AND DISTRIBUTED FOR THE SECTION III SECTION III SECTION III SECTION III SPECIFIC GRAVITY (WATER=1): VAPOR PRESSURE AT 20C (MM OF HG):	VOL % CAS * TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS 0 THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES RMATION MUST BE INCLUDED IN ALL MSDS THAT IS PRODUCT.) CAL PROPERTIES ====================================
INGREDIENT TOLUENE OTTOLUENE OTTOLUENE	VOL % CAS * TLV 100 108-88-9 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS 0 THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES MATION MUST BE INCLUDED IN ALL MSDS THAT S.20 A.20 3.2
INGREDIENT TOLUENE TOLUENE TOLUENE TOLUENE TOLUENE THIS PRODUCT IS CONSIDERED TO BE DATA MUST BE SUBMITTED ANNUALLY T PROCESS OR OTHERWISE USE THIS PRO ESTABLISHED BY THE EPA. THIS INFO ARE COPIED AND DISTRIBUTED FOR TH SECTION III	VOL % CAS # TLV 100 108-88-3 100 PPM A TOXIC CHEMICAL UNDER TITLE III. EMISSIONS 0 THE EPA FOR COMPANIES WHO MANUFACTURE, DUCT IN EXCESS OF CERTAIN QUANTITIES MATION MUST BE INCLUDED IN ALL MSDS THAT SPRODUCT.) CAL PROPERTIES

SECTION IV TATALAND FIRE AND EXPLOSION DATA CARAGEMENTER AND EXPLOSION DATA

PAGE PROD 0110 B/L 117311 22

FLAMMABILITY LIMITS (% IN AIR): 1.4 FLASH POINT (AND METHOD). 5 C/45 F (TCC)

FLAMMABILITY CLASSIFICATION: CLASS I B

RECOMMENDED EXTINGUISHING MEDIA: NFPA CLASS B EXTINGUISHER (CO2, DRY CHEMICALS OR FOAM) FOR CLASS I B FIRES.

SPECIAL FIRE FIGHTING PROCEDURES .

WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE FIGHTERS AND COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS USED. USE AIR SUPPLIED BREATHING MASKS.

UNUSUAL FIRE/EXPLOSION HAZARDS: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

THRESHOLD LIMIT VALUE: TWA=100 PPM (375 MG/M3) STEL=150 PPM (560 MG/M3)--SKIN OSHA PEL: TWA=100 PPM (375 MG/M3) STEL=150 PPM (560 MG/M3)

EFFECTS OF OVEREXPOSURE: CONTACT WITH EYES CAN CAUSE MODERATE TO SEVERE IRRITATION. CONTACT WITH SKIN CAN CAUSE DRYING, IRRITATION AND DERMATITIS. INHALATION CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION INCLUDING FATIGUE, WEAKNESS, HEADACHE, DIZZINESS, NAUSEA AND VOMITING, UNCONSCIOUSNESS, COMA, RESPIRATORY FAILURE AND DEATH. PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER TO 15 MINUTES AND GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.

INGESTION: CALL PHYSICIAN IMMEDIATELY! DO NOT INDUCE VOMITING!

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS, OR OPEN FLAMES

INCOMPATIBILITY WITH OTHER MATERIALS: ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATE.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE FROM THERMAL DECOMPOSITION.

PAGE PROD 0110 B/L 117311 3

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

IN CASE OF FIRE: USE WATER FOG, CO2, DRY CHEMICAL OR FOAM.

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED. CONTAIN SPILL. VENTILATE AREA. ISOLATE FROM SOURCES OF IGNITION. ABSORB ON INERT MEDIA AND CONTAINERIZE. ALWAYS WEAR PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION WHEN CLEANING UP SPILLS.

WASTE DISPOSAL PROCEDURES: INCINERATE PER LOCAL, STATE AND FEDERAL POLLUTION REGULATIONS.

RESPIRATORY PROTECTION: A NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPORS

LOCAL EXHAUST: RECOMMENDED

PROTECTIVE GLOVES: SOLVENT RESISTANT SUCH AS RUBBER OR NEOPRENE.

EYE PROTECTION: SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT: EYE-WASH, SAFETY SHOWER, PROTECTIVE CLOTHING.

SECTION IX -----ADDITIONAL PRECAUTIONS

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE ONLY WITH ADEQUATE VENTILATION. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS:

DO NOT STORE ABOVE 49 C (120 F). STORE LARGE AMOUNTS IN STRUCTURES MADE FOR FLAMMABLE LIQUIDS. EMPTY CONTAINER HAZARDOUS. CONTINUE ALL LABEL PRECAUTIONS. DO NOT FLAME CUT, BRAZE OR WELD.

THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, CHEMTECH MAKES NO REPRESENTATION AS TO THE COMPLETENESS AND ACCURACY THEREOF. USERS MUST MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY OF THE PRODUCT FOR THEIR PURPOSES PRIOR TO USE.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE WITH RESPECT TO THE PRODUCT OR TO THE INFORMATION HEREIN IS MADE HEREUNDER. CHEMTECH SHALL IN NO EVENT BE RESPONSIBLE FOR ANY DAMAGES OF WHATSOEVER NATURE DIRECTLY OR INDIRECTLY RESULTING FROM THE PUBLICATION OR USE OF OR RELIANCE UPON INFORMATION CONTAINED HEREIN. KANSA DEPARTMENT OF HEALTH AND SAVIRONMENT Bureau of Waste Management

COMPLAINT REPORT.

Time: 10:00 Date Received: 9-5-9 By: Letter In-Person Recieved by: Phone EPA Central Office Complainant Name: VISAEL TIRENEIN ANN, Phone: ()_____ Street: Zip:_ City: State: LEAUSING Name of Person/Facility: Street/Legal Description: city: LEAUENWORT County: LVI Phone: 93162-06 Directions to Site:_____ - LANGE AREA Complaint: ANR and JEDL REFERRED TO: ILLER Response: ma BINIS Date: Signed

Complete first two sections and immediately submit a copy to the central office. When investigation is completed, complete the Response section, date & sign form, and submit the completed copy to the central office.

State of Kansas Joan Finney, Governor



Department of Health and Environment Azzie Young, Ph.D., Secretary

Northeast District Office 808 W. 24th Street Lawrence, Kansas 66048-4417

Reply to:

(913) 842-4600 FAX: 842-3537

February 18, 1992

Mr. Robert Lowery City Hall 5th & Shawnee Leavenworth, Kansas 66048

Re: Hazardous Waste Compliance Inspection of September 24, 1991 City Service Center 2101 South 3rd Street Leavenworth, Kansas 66048 EPA Identification Number KSD980632210

Dear Mr. Lowery:

In my letter dated September 26, 1991, you were requested to provide information documenting action taken to correct violations noted during the inspection. This information was to be provided by October 31, 1991. To date, the department has not received this information.

Please provide the department with the requested information in writing by March 2, 1992.

After reviewing the analyses for the soil sample collected near the sign shop, it was determined that although contamination exists, the contamination level does not meet the definition of hazardous waste. Therefore, the areas of visible contamination must be removed and disposed in your permitted sanitary landfill. In order to properly dispose of this material, you must first obtain a disposal authorization. To obtain a disposal authorization, please provide the following information:

- 1. Type and Quantity of Material to be disposed.
- 2. Analyses information.

Please submit this information to Mr. Robert Kinder, Kansas Department of Health and Environment, Bureau of Air and Waste Management, Forbes Field, Building 740, Topeka, Kansas, 66620-0001, phone 913/296-1596. Please submit this information as soon as possible. Robert Lowery/Leavenworth City Service Center February 18, 1992 Page 2

If you have questions concerning this letter, please call me at 913/842-4600.

Respectfully,

Jim Fischer Environmental Technician Inspections and Enforcement Section Bureau of Air and Waste Management

JF:tm

C: John Mitchell, Bureau of Air and Waste Management Tom Gross, Bureau of Air and Waste Management Charles Linn, Bureau of Air and Waste Management NEDO



LEAVENWORTH, KANSAS

City Hall 66048 913/682-9201

December 27, 1991

City of

State of Kansas Department of Health and Environment Waste Programs & Inspection and Enforcement Section Attn: Mr. James D. Fischer 808 West 24th Street Lawrence, Kansas 66046-4417

DEG = 0 1991

K. D. H. E. NORTHEAST DISTRICT

Re: Report of Testing - City Service Center 2101 South 3rd Street, Leavenworth, Kansas Kansas City Testing Laboratory #8211-91-0050

Dear Jim:

Attached (finally) is a copy of the test results you requested. It does not appear as if we have a major problem - at least not at the 18"-24" depth.

Please let me know what corrective actions need to be taken, especially since we plan to vacate that facility within the next sixty days.

Happy New Year!

Sincerely,

Bob Lowry Deputy Public Works Director

BL/jgb

Enclosure As Stated

cc: File



From the office of

KANSAS CITY TESTING LABORATORY

A.C. 913-648-2303 2012 WEST 104TH STREET FAX 913-642-3679 P.O. BOX 6323 SHAWNEE MISSION, KANSAS 66206

December 18, 1991

Mr. Robert D. Patzwald Public Works Department CITY OF LEAVENWORTH 100 N. 5th Street Leavenworth, KS 66048



Re: Report of Testing - City Service Centerk. D. H. E. 2101 South 3rd Street Leavenworth, Kansas KCTL #8211-91-0050

Dear Mr. Patzwald:

This letter and its attachments constitute our report of test results as requested by the Kansas Department of Health (KDHE) letter dated September 26, 1991 and a telephone conversation with Mr. Jim Fisher (KDHE).

SCOPE OF SERVICE

The following scope of service has been provided:

- Dispatched an environmental professional to the site.
- Collected soil samples at 6" and 18-24" from six locations, north of the sign shop.
- Composite the 6" samples and the 18-24" samples (two samples).
- Analyzed the two soil samples for toxicity characteristics leaching procedure (TCLP) 8 RCRA metals, TCLP Organic Compounds and Volatile Organic Compounds (VOCs).
- 5. Provide a report of project results.

PROJECT OBSERVATION

A backhoe supplied by the City of Leavenworth was used to excavate the six sampling locations (Figure 1 - Sampling Locations). Soil samples were collected from each excavation at 6" and 18-24". The 6" samples were composite and the 18 to 24" samples were composite (two samples). Chemical analysis was performed by Pace Incorporated located at 9608 Loiret Boulevard, Lenexa, Kansas.

TCLP ANALYTICAL TEST RESULTS

TCLP Metals (8 RCRA) were not detected at or above the laboratory instrument's method detection limit in both the 6" and 18 to 24" samples.

TCLP Organic Compounds were not detected at or above the laboratory instrument's method detection limit in both the 6" and 18 to 24" samples.

Volatile Organic Compounds (VOCs) were detected in the 6" sample. Concentrations of the following compounds were found in the 6" sample:

1,1,2,2-Tetrachloroethane - 19,000 parts per billion (ppb) Chlorobenzene - 12 ppb Xylenes - 28 ppb

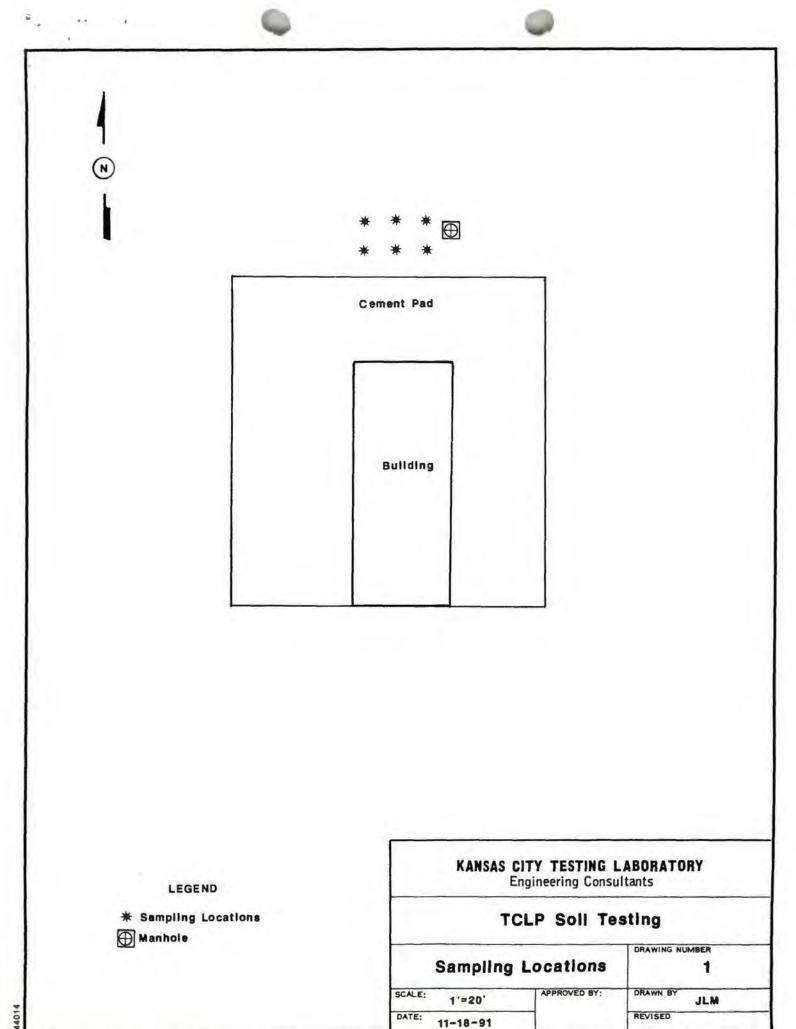
VOCs in the 18 to 24" sample were not detected (ND) at or above the laboratory instrument's method detection limit (MDL).

A copy of the laboratory report and chain-of-custody prepared by Pace Incorporated are attached.

Prepared and Submitted by: KANSAS CITY TESTING LABORATORY

Ennes

James L. Metz Environmental Geologist





K.C. Testing Laboratory

REPORT OF LABORATORY ANALYSIS

December 16, 1991 PACE Project Number: 511031522

R.C. Testing Laboratory 2012 W. 104th Street P.O. Box 6323 Shawnee Mission, KS 66206				er 16, 1991 roject Number: 5
Attn: Mr. James Metz				
Client Reference: 8212-91-0050				
PACE Sample Number:			60 015642	5
Date Collected:			10/31/91	
Date Received:			10/31/91	
Client Sample ID:	11-24-2	MDI	6" Comp.	DATE ANALVZED
Parameter	Units	MDL	Leachate (1)	DATE ANALYZED
INORGANIC ANALYSIS			1-1	
8 RCRA METALS - LEACHATE				
Barium, Leachate	mg/L	5.0	ND	11/21/91
Cadmium, Leachate	mg/L	0.05	ND	11/21/91
Chromium, Leachate	mg/L	0.25	ND	11/21/91
Lead, Leachate	mg/L	0.25	ND	11/21/91
Silver, Leachate	mg/L	0.25	ND	11/21/91
Arsenic, Leachate	mg/L	0.25	ND	11/21/91
Selenium, Leachate	mg/L	0.25	ND	11/21/91
Mercury, Leachate	mg/L	0.010	ND	11/21/91
ORGANIC ANALYSIS				
SEMI-VOLATILE ORGANIC COMPOUNDS, LEACHAT	TE			
1,4-Dichlorobenzene	mg/L	7.5	ND	12/12/91
2-Methylphenol	mg/L	200.0	ND	12/12/91
3-Methylphenol	mg/L	200.0	ND	12/12/91
4-Methylphenol	mg/L	200.0	ND	12/12/91
Nitrobenzene	mg/L	2.0	ND	12/12/91
Hexachloro-1,3 Butadiene	mg/L	0.5	ND	12/12/91
2,4,6-Trichlorophenol	mg/L	2.0	ND	12/12/91
2,4,5-Trichlorophenol	mg/L	400.0	ND	12/12/91
2,4-Dinitrotoluene	mg/L	0.13	ND	12/12/91
Hexachlorobenzene	mg/L	0.13	ND	12/12/91
Pentachlorophenol	mg/L	100.0	ND	12/12/91
Pyridine	mg/L	5.0	ND	12/12/91
Hexachloroethane	mg/L	3.0	ND	12/12/91

All analysis performed on Toxic Characteristic Leachate. Method Detection Limit (1) MDL

ND Not detected at or above the MDL.

> 9608 Loiret Boulevard Lenexa, KS 66219 TEL: 913-599-5665 FAX: 913-599-1759

Offices Serving: Minneapolis, Minnesota Tampa, Florida lowa City, Iowa San Francisco, California Kansas City, Missouri

Charlotte, North Carolina Asheville, North Carolina New York, New York Pittsburgh, Pennsylvania Denver, Colorado

An Equal Opportunity Employer



Mr. James Metz Page 2

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

PACE Sample Number: Date Collected: Date Received: Client Sample ID: Parameter ORGANIC ANALYSIS	<u>Units</u>	MDL	60 0156425 10/31/91 10/31/91 6" Comp. Leachate (1)	DATE ANALYZED
SEMI-VOLATILE ORGANIC COMPOUNDS,LEACHAT Phenol-D6 (Surrogate) 2-Fluorophenol (Surrogate) 2,4,6-Tribromophenol (Surrogate) TCLP BNAS Prep	ГЕ % %		25 44 27 11/18/91	12/12/91 12/12/91 12/12/91 12/12/91
VOLATILE ORGANIC COMPOUNDS, LEACHATE Vinyl Chloride 1,1-Dichloroethylene Chloroform 1,2-Dichloroethane 2-Butanone (MEK) Carbon Tetrachloride	mg/L mg/L mg/L mg/L mg/L mg/L	0.2 0.7 6.0 0.5 200.0 0.5	ND ND ND ND ND ND	11/15/91 11/15/91 11/15/91 11/15/91 11/15/91 11/15/91 11/15/91
Trichloroethylene Benzene Tetrachloroethylene Chlorobenzene 1,2-Dichloroethane-d4 (Surrogate) Toluene-d8 (Surrogate)	mg/L mg/L mg/L mg/L % %	0.5 0.5 0.7 100.0	ND ND ND 72 99	11/15/91 11/15/91 11/15/91 11/15/91 11/15/91 11/15/91
4-Bromofluorobenzene (Surrogate)	%		85	11/15/91

All analysis performed on Toxic Characteristic Leachate. Method Detection Limit (1)

MDL

ND Not detected at or above the MDL.



Mr. James Metz Page 3 December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050				
PACE Sample Number: Date Collected: Date Received: Client Sample ID: <u>Parameter</u>	<u>Units</u>	_MDL_	60 0156441 10/31/91 10/31/91 18-24"Comp Leachate (1)	DATE ANALYZED
INORGANIC ANALYSIS			(1)	
8 RCRA METALS - LEACHATE Barium, Leachate Cadmium, Leachate Chromium, Leachate Lead, Leachate Silver, Leachate Arsenic, Leachate	mg/L mg/L mg/L mg/L mg/L mg/L	5.0 0.05 0.25 0.25 0.25 0.25	ND ND ND ND ND ND	11/21/91 11/21/91 11/21/91 11/21/91 11/21/91 11/21/91 11/21/91
Selenium, Leachate Mercury, Leachate ORGANIC ANALYSIS	mg/L mg/L	0.25 0.010	ND ND	11/21/91 11/21/91
SEMI-VOLATILE ORGANIC COMPOUNDS,LEACHATE 1,4-Dichlorobenzene 2-Methylphenol 3-Methylphenol 4-Methylphenol Nitrobenzene Hexachloro-1,3 Butadiene	mg/L mg/L mg/L mg/L mg/L mg/L	7.5 200.0 200.0 200.0 2.0 0.5	ND ND ND ND ND ND	12/12/91 12/12/91 12/12/91 12/12/91 12/12/91 12/12/91
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrotoluene Hexachlorobenzene Pentachlorophenol Pyridine	mg/L mg/L mg/L mg/L mg/L mg/L	2.0 400.0 0.13 0.13 100.0 5.0	ND ND ND ND ND ND	12/12/91 12/12/91 12/12/91 12/12/91 12/12/91 12/12/91 12/12/91
Hexachloroethane Phenol-D6 (Surrogate) 2-Fluorophenol (Surrogate) 2,4,6-Tribromophenol (Surrogate)	mg/L % % %	3.0	ND 27 50 41	12/12/91 12/12/91 12/12/91 12/12/91 12/12/91

(1) All analysis performed on Toxic Characteristic Leachate.

MDL Method Detection Limit

ND Not detected at or above the MDL.

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Mr. James Metz Page 4

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

PACE Sample Number: Date Collected: Date Received: Client Sample ID: Parameter	Units	MDL	60 0156441 10/31/91 10/31/91 18-24"Comp Leachate (1)	DATE ANALYZED
ORGANIC ANALYSIS				
SEMI-VOLATILE ORGANIC COMPOUNDS, LEACHATE TCLP BNAS Prep			11/18/91	
VOLATILE ORGANIC COMPOUNDS, LEACHATE Vinyl Chloride 1,1-Dichloroethylene Chloroform 1,2-Dichloroethane 2-Butanone (MEK) Carbon Tetrachloride	mg/L mg/L mg/L mg/L mg/L mg/L	0.2 0.7 6.0 0.5 200.0 0.5	ND ND ND ND ND ND	11/15/91 11/15/91 11/15/91 11/15/91 11/15/91 11/15/91
Trichloroethylene Benzene Tetrachloroethylene Chlorobenzene 1,2-Dichloroethane-d4 (Surrogate) Toluene-d8 (Surrogate)	mg/L mg/L mg/L mg/L %	0.5 0.5 0.7 100.0	ND ND ND 73 76	11/15/91 11/15/91 11/15/91 11/15/91 11/15/91 11/15/91
4-Bromofluorobenzene (Surrogate)	%		82	11/15/91

All analysis performed on Toxic Characteristic Leachate. Method Detection Limit (1)

MDL

ND Not detected at or above the MDL.



Client Reference: 8212-91-0050

REPORT OF LABORATORY ANALYSIS

Mr. James Metz Page 5

December 16, 1991 PACE Project Number: 511031522

PACE Sample Number: Date Collected: Date Received: Client Sample ID:			60 0156417 10/31/91 10/31/91 6"	
Parameter	Units	MDL	Composited Soil	DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 8240 LOW				
Methyl chloride (Chloromethane)	ug/kg	10	ND	11/08/91
Methyl Bromide (Bromomethane)	ug/kg	10	ND	11/08/91
Vinyl Chloride	ug/kg	10	ND	11/08/91
Chloroethane	ug/kg	10	ND	11/08/91
Methylene Chloride	ug/kg	10	ND	11/08/91
Acetone	ug/kg	10	ND	11/08/91
Carbon Disulfide	ug/kg	10	ND	11/08/91
1,1-Dichloroethylene	ug/kg	10	ND	11/08/91
1,1-Dichloroethane	ug/kg	10	ND	11/08/91
1,2-Dichloroethylene (Total)	ug/kg	10	ND	11/08/91
Chloroform	ug/kg	10	ND	11/08/91
1,2-Dichloroethane	ug/kg	10	ND	11/08/91
2-Butanone (MEK)	ug/kg	10	ND	11/08/91
1,1,1-Trichloroethane	ug/kg	10	ND	11/08/91
Carbon Tetrachloride	ug/kg	10	ND	11/08/91
Vinyl Acetate	ug/kg	10	ND	11/08/91
Dichlorobromomethane	ug/kg	10	ND	11/08/91
1,2-Dichloropropane	ug/kg	10	ND	11/08/91
Cis-1,3-Dichloropropene	ug/kg	10	ND	11/08/91
Trichloroethylene	ug/kg	10	ND	11/08/91
Chlorodibromomethane	ug/kg	10	ND	11/08/91
1,1,2-Trichloroethane	ug/kg	10	ND	11/08/91
Benzene	ug/kg	10	ND	11/08/91
Trans-1,3-Dichloropropene	ug/kg	10	ND	11/08/91
Bromoform	ug/kg	10	ND	11/08/91
4-Methyl-2-Pentanone (MIBK)	ug/kg	10	ND	11/08/91
2-Hexanone	ug/kg	10	ND	11/08/91

MDL Method Detection Limit ND

Not detected at or above the MDL.

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Mr. James Metz Page 6

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050				
PACE Sample Number: Date Collected: Date Received: Client Sample ID:			60 0156417 10/31/91 10/31/91 6" Composited	
Parameter	Units	MDL	Soil	DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 8240 LOW				
Tetrachloroethylene	ug/kg	10	ND	11/08/91
1,1,2,2-Tetrachloroethane	ug/kg	10	ND	11/08/91
Toluene	ug/kg	10	19000	11/08/91
Chlorobenzene	ug/kg	10	ND	11/08/91
Ethylbenzene	ug/kg	10	12	11/08/91
Styrene	ug/kg	10	ND	11/08/91
Xylenes (Total)	ug/kg	10	28	11/08/91
Dichlorodifluoromethane	ug/kg	10	ND	11/08/91
Trichlorofluoromethane	ug/kg	5	ND	11/08/91
Acrolein	ug/kg	100	ND	11/08/91
Acrylonitrile	ug/kg	100	ND	11/08/91
Iodomethane	ug/kg	5	ND	11/08/91
Dibromomethane	ug/kg	5	ND	11/08/91
2-Chloroethylvinyl ether	ug/kg	5 5 5 5 5	ND	11/08/91
Ethylmethacrylate	ug/kg	5	ND	11/08/91
1,2,3-Trichloropropane	ug/kg	5	ND	11/08/91
1,4-Dichloro-2-butene	ug/kg	5	ND	11/08/91
1,3-Dichlorobenzene	ug/kg	5	ND	11/08/91
1,4-Dichlorobenzene	ug/kg	5	ND	11/08/91
1,2-Dichlorobenzene	ug/kg	5	ND	11/08/91
1,2-Dichloroethane-d4 (Surrogate)	%		120	11/08/91
Toluene-d8 (Surrogate)	%		121	11/08/91
4-Bromofluorobenzene (Surrogate)	%		113	11/08/91
a second radio socie (our rogate)				

MDL Method Detection Limit ND Not detected at or above the MDL.



Mr. James Metz Page 7 December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

PACE Sample Number: Date Collected: Date Received: Client Sample ID:			60 0156433 10/31/91 10/31/91 18-24" Composite	
Parameter	Units	MDL	Soil	DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 8240 LOW				
Methyl chloride (Chloromethane)	ug/kg	10	ND	11/11/91
Methyl Bromide (Bromomethane)	ug/kg	10	ND	11/11/91
Vinyl Chloride	ug/kg	10	ND	11/11/91
Chloroethane	ug/kg	10	ND	11/11/91
Methylene Chloride	ug/kg	10	ND	11/11/91
Acetone	ug/kg	10	ND	11/11/91
Carbon Disulfide	ug/kg	10	ND	11/11/91
1,1-Dichloroethylene	ug/kg	10	ND	11/11/91
1,1-Dichloroethane	ug/kg	10	ND	11/11/91
1,2-Dichloroethylene (Total)	ug/kg	10	ND	11/11/91
Chloroform	ug/kg	10	ND	11/11/91
1,2-Dichloroethane	ug/kg	10	ND	11/11/91
2-Butanone (MEK)	ug/kg	10	ND	11/11/91
1,1,1-Trichloroethane	ug/kg	10	ND	11/11/91
Carbon Tetrachloride	ug/kg	10	ND	11/11/91
Vinyl Acetate	ug/kg	10	ND	11/11/91
Dichlorobromomethane	ug/kg	10	ND	11/11/91
1,2-Dichloropropane	ug/kg	10	ND	11/11/91
Cis-1,3-Dichloropropene	ug/kg	10	ND	11/11/91
Trichloroethylene	ug/kg	10	ND	11/11/91
Chlorodibromomethane	ug/kg	10	ND	11/11/91
1,1,2-Trichloroethane	ug/kg	10	ND	11/11/91
Benzene	ug/kg	10	ND	11/11/91
Trans-1,3-Dichloropropene	ug/kg	10	ND	11/11/91
Bromoform	ug/kg	10	ND	11/11/91
4-Methyl-2-Pentanone (MIBK)	ug/kg	10	ND	11/11/91
2-Hexanone	ug/kg	10	ND	11/11/91

MDL Method Detection Limit

ND Not detected at or above the MDL.

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Mr. James Metz Page 8 December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

PACE Sample Number: Date Collected: Date Received: Client Sample ID:			60 0156433 10/31/91 10/31/91 18-24" Composite	
Parameter	Units	MDL	Soil	DATE ANALYZED
ORGANIC ANALYSIS				
VOLATILE ORGANICS, EPA METHOD 8240 LOW				
Tetrachloroethylene	ug/kg	10	ND	11/11/91
1,1,2,2-Tetrachloroethane	ug/kg	10	ND	11/11/91
Toluene	ug/kg	10	ND	11/11/91
Chlorobenzene	ug/kg	10	ND	11/11/91
Ethylbenzene	ug/kg	10	ND	11/11/91
Styrene	ug/kg	10	ND	11/11/91
Xylenes (Total)	ug/kg	10	ND	11/11/91
Dichlorodifluoromethane	ug/kg	10	ND	11/11/91
Trichlorofluoromethane	ug/kg	5	ND	11/11/91
Acrolein	ug/kg	100	ND	11/11/91
Acrylonitrile	ug/kg	100	ND	11/11/91
Iodomethane	ug/kg	5	ND	11/11/91
Dibromomethane	ug/kg	5	ND	11/11/91
2-Chloroethylvinyl ether	ug/kg	5 5 5 5 5 5 5 5	ND	11/11/91
Ethylmethacrylate	ug/kg	5	ND	11/11/91
1,2,3-Trichloropropane	ug/kg	5	ND	11/11/91
1,4-Dichloro-2-butene	ug/kg	5	ND	11/11/91
1,3-Dichlorobenzene	ug/kg	5	ND	11/11/91
1,4-Dichlorobenzene	ug/kg	5	ND	11/11/91
1,2-Dichlorobenzene	ug/kg	5	ND	11/11/91
1,2-Dichloroethane-d4 (Surrogate)	%		93	11/11/91
Toluene-d8 (Surrogate)	%		102	11/11/91
4-Bromofluorobenzene (Surrogate)	%		101	11/11/91
4-Bromofluorobenzene (Surrogate)	%		101	11/11/91

MDL	Method Detection Limit
ND	Not detected at or above the MDL.

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Mr. James Metz Page 9 December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

These data have been reviewed and are approved for release.

Brian J. Smith Manager, Inorganic Chemistry

Neal R. Hudson Manager, Organic Chemistry



Mathad

Mr. James Metz Page 10 QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE COMPOUNDS FOR ALLIED - 1991 Batch: 60 09442 Samples: 60 0156425, 60 0156441

METHOD BLANK:

Protection	11.14	100	Method	
Parameter	Units	MDL	Blank	
Methyl chloride (Chloromethane)	ug/L	10	ND	
Methyl bromide (Bromomethane)	ug/L	10	ND	
Vinyl Chloride	ug/L	10	ND	
Chloroethane	ug/L	10	ND	
Methylene Chloride	ug/L	5	ND	
Acetone	ug/L	10	ND	
Carbon Disulfide	ug/L	5	ND	
Fluorotrichloromethane	ug/L	10	ND	
1,1-Dichloroethylene	ug/L	5	ND	
1,1-Dichloroethane	ug/L	5	ND	
1,2-Dichloroethylene (Total)	ug/L	5 5 5	ND	
Chloroform	ug/L	5	ND	
1,1,2-Trichloro 1,2,2-Trifluoroethane	ug/L	5	ND	
1,2-Dichloroethane	ug/L	5	ND	
2-Butanone (MEK)	ug/L	5 5 5	ND	
1,1,1-Trichloroethane	ug/L	5 5	ND	
Carbon Tetrachloride	ug/L	5	ND	
Dichlorobromomethane	ug/L	5	ND	
1,2-Dichloropropane	ug/L	5	ND	
Cis-1,3-Dichloropropene	ug/L	5	ND	
Trichloroethylene	ug/L	5	ND	
Chlorodibromomethane	ug/L	5	ND	
1,1,2-Trichloroethane	ug/L	5	ND	
Benzene	ug/L	5	ND	
Trans-1,3-Dichloropropene	ug/L	5	ND	
Bromoform	ug/L		ND	
4-Methyl-2-Pentanone (MIBK)	ug/L	5	ND	
2-Hexanone	ug/L	5	ND	
Tetrachloroethylene	ug/L	5 5 5 5 5	ND	
1,1,2,2-Tetrachloroethane	ug/L	5	ND	
Toluene	ug/L	5	ND	

MDL Method Detection Limit

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Mr. James Metz Page 11

QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE COMPOUNDS FOR ALLIED - 1991 Batch: 60 09442 Samples: 60 0156425, 60 0156441

METHOD BLANK:

Parameter	Units	MDL	Method Blank
VOLATILE COMPOUNDS FOR ALLIED - 1991			
Chlorobenzene	ug/L	5	ND
Ethylbenzene	ug/L	5	ND
Styrene	ug/L	5 5 5	ND
Xylenes (Total)	ug/L	5	ND
1,2-Dichlorobenzene	ug/L	5	ND
1,3-Dichlorobenzene	ug/L	5	ND
1,4-Dichlorobenzene	ug/L	5	ND
1,2-Dichloroethane-d4 (Surrogate)	%		90
Toluene-d8 (Surrogate)	%		73
4-Bromofluorobenzene (Surrogate)	%		87

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	And in case of the local division of the loc		Spike Recv	Dup1 Recv	RPD
1,2-Dichloroethylene (Total)	ug/L	5	ND	50.00	120%	135%	11%
Trichloroethylene	ug/L	5	ND	50.00	96%	103%	7%
Benzene	ug/L	5	ND	50.00	97%	99%	2%
Toluene	ug/L	5	ND	50.00	96%	105%	8%
Chlorobenzene	ug/L	5	ND	50.00	96%	102%	6%

Method Detection Limit MDL RPD **Relative Percent Difference**

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Spike



Mr. James Metz Page 12 QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE ORGANICS, EPA METHOD 8240 LOW Batch: 60 09213 Samples: 60 0156417

METHOD BLANK:

METHOD BLANK:			Method	
Parameter	Units	MDL	Blank	
Methyl chloride (Chloromethane)	ug/kg	10	ND	
Methyl Bromide (Bromomethane)	ug/kg	10	ND	
Vinyl Chloride	ug/kg	10	ND	
Chloroethane	ug/kg	10	ND	
Methylene Chloride	ug/kg	10	10	
Acetone	ug/kg	10	ND	
Carbon Disulfide	ug/kg	10	ND	
1,1-Dichloroethylene	ug/kg	10	ND	
1,1-Dichloroethane	ug/kg	10	ND	
1,2-Dichloroethylene (Total)	ug/kg	10	ND	
Chloroform	ug/kg	10	ND	
1,2-Dichloroethane	ug/kg	10	ND	
2-Butanone (MEK)	ug/kg	10	ND	
1,1,1-Trichloroethane	ug/kg	10	ND	
Carbon Tetrachloride	ug/kg	10	ND	
Vinyl Acetate	ug/kg	10	ND	
Dichlorobromomethane	ug/kg	10	ND	
1,2-Dichloropropane	ug/kg	10	ND	
Cis-1,3-Dichloropropene	ug/kg	10	ND	
Trichloroethylene	ug/kg	10	ND	
Chlorodibromomethane	ug/kg	10	ND	
1,1,2-Trichloroethane	ug/kg	10	ND	
Benzene	ug/kg	10	ND	
Trans-1,3-Dichloropropene	ug/kg	10	ND	
Bromoform	ug/kg	10	ND	
4-Methyl-2-Pentanone (MIBK)	ug/kg	10	ND	
2-Hexanone	ug/kg	10	ND	
Tetrachloroethylene	ug/kg	10	ND	
1,1,2,2-Tetrachloroethane	ug/kg	10	ND	
Toluene	ug/kg	10	ND	
Chlorobenzene	ug/kg	10	ND	

MDL Method Detection Limit

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Mr. James Metz Page 13 QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE ORGANICS, EPA METHOD 8240 LOW Batch: 60 09213 Samples: 60 0156417

METHOD BLANK:

Parameter	<u>Units</u>	MDL	Method Blank	
VOLATILE ORGANICS, EPA METHOD 8240 LC	W			
Ethylbenzene	ug/kg	10	ND	
Styrene	ug/kg	10	ND	
Xylenes (Total)	ug/kg	10	ND	
Dichlorodifluoromethane	ug/kg	10	ND	
Trichlorofluoromethane	ug/kg	5	ND	
Acrolein	ug/kg	100	ND	
Acrylonitrile	ug/kg	100	ND	
Iodomethane	ug/kg	5	ND	
Dibromomethane	ug/kg	5	ND	
2-Chloroethylvinyl ether	ug/kg	5 5 5 5	ND	
Ethylmethacrylate	ug/kg	5	ND	
1,2,3-Trichloropropane	ug/kg	5	ND	
1,4-Dichloro-2-butene	ug/kg	5	ND	
1,3-Dichlorobenzene	ug/kg	5 5 5 5	ND	
1,4-Dichlorobenzene	ug/kg	5	ND	
1,2-Dichlorobenzene	ug/kg	5	ND	
1,2-Dichloroethane-d4 (Surrogate)	%		117	
Toluene-d8 (Surrogate)	%		121	
4-Bromofluorobenzene (Surrogate)	%		119	

SPIKE AND SPIKE DUPLICATE:

Units	MDL	60 0155577	Spike	Spike	Dup1 Recv	RPD
	10	ND	50.0	104%	139%	28%
	10	ND	50.0	102%	111%	8%
	10	ND	50.0	107%	120%	11%
ug/kg	10	ND	50.0	68%	86%	23%
	Units ug/kg ug/kg ug/kg ug/kg	ug/kg 10 ug/kg 10 ug/kg 10	ug/kg 10 ND ug/kg 10 ND ug/kg 10 ND	ug/kg 10 ND 50.0 ug/kg 10 ND 50.0	Units ug/kgMDL 1060 0155577 NDSpike S0.0Recv 104%ug/kg10ND50.0104%ug/kg10ND50.0102%ug/kg10ND50.0107%	UnitsMDL60 0155577SpikeDuplug/kg10ND50.0104%139%ug/kg10ND50.0102%111%ug/kg10ND50.0107%120%

MDL Method Detection Limit RPD Relative Percent Difference

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Spike



Mr. James Metz Page 14	QUALITY CONTRO	L DATA		ber 16, Project	1991 Number:	: 51103	1522
Client Reference: 8212-91-0050							
VOLATILE ORGANICS, EPA METHOD 8240 Batch: 60 09213 Samples: 60 0156417) LOW						
SPIKE AND SPIKE DUPLICATE:						Spike	
Parameter	Units	MDL	60 0155577	Spike	Spike <u>Recv</u>		RPD
VOLATILE ORGANICS, EPA METHOD 8240 Chlorobenzene) LOW ug/kg	10	ND	50.0	88%	107%	19%

MDL Method Detection Limit



Mr. James Metz Page 15 QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE ORGANICS, EPA METHOD 8240 LOW Batch: 60 09214 Samples: 60 0156433

METHOD BLANK:

HEITIOD BEANN.			Method	
Parameter	Units	MDL	Blank	
Methyl chloride (Chloromethane)	ug/kg	10	ND	
Methyl Bromide (Bromomethane)	ug/kg	10	ND	
Vinyl Chloride	ug/kg	10	ND	
Chloroethane	ug/kg	10	ND	
Methylene Chloride	ug/kg	10	ND	
Acetone	ug/kg	10	ND	
Carbon Disulfide	ug/kg	10	ND	
1,1-Dichloroethylene	ug/kg	10	ND	
1,1-Dichloroethane	ug/kg	10	ND	
1,2-Dichloroethylene (Total)	ug/kg	10	ND	
Chloroform	ug/kg	10	ND	
1,2-Dichloroethane	ug/kg	10	ND	
2-Butanone (MEK)	ug/kg	10	ND	
1,1,1-Trichloroethane	ug/kg	10	ND	
Carbon Tetrachloride	ug/kg	10	ND	
Vinyl Acetate	ug/kg	10	ND	
Dichlorobromomethane	ug/kg	10	ND	
1,2-Dichloropropane	ug/kg	10	ND	
Cis-1,3-Dichloropropene	ug/kg	10	ND	
Trichloroethylene	ug/kg	10	ND	
Chlorodibromomethane	ug/kg	10	ND	
1,1,2-Trichloroethane	ug/kg	10	ND	
Benzene	ug/kg	10	ND	
Trans-1,3-Dichloropropene	ug/kg	10	ND	
Bromoform	ug/kg	10	ND	
4-Methyl-2-Pentanone (MIBK)	ug/kg	10	ND	
2-Hexanone	ug/kg	10	ND	
Tetrachloroethylene	ug/kg	10	ND	
1,1,2,2-Tetrachloroethane	ug/kg	10	ND	
Toluene	ug/kg	10	ND	
Chlorobenzene	ug/kg	10	ND	

MDL Method Detection Limit

9608 Loiret Boulevard Lenexa, KS 66219 TEL: 913-599-5665 FAX: 913-599-1759 Offices Serving: Minneapolis, Minnesota Tampa, Florida Iowa City, Iowa San Francisco, Celifornia Kansas City, Missouri I.a. Anache, Celifornia Charlotte, North Carolina Asheville, North Carolina New York, New York Pittsburgh, Pennsylvania Denver, Colorado An Equal Opportunity Employer



Mr. James Metz Page 15 QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE ORGANICS, EPA METHOD 8240 LOW Batch: 60 09214 Samples: 60 0156433

METHOD BLANK:

METHOD BLANK:			Method
Parameter	Units	MDL	Blank
Methyl chloride (Chloromethane)	ug/kg	10	ND
Methyl Bromide (Bromomethane)	ug/kg	10	ND
Vinyl Chloride	ug/kg	10	ND
Chloroethane	ug/kg	10	ND
Methylene Chloride	ug/kg	10	ND
Acetone	ug/kg	10	ND
Carbon Disulfide	ug/kg	10	ND
1,1-Dichloroethylene	ug/kg	10	ND
1,1-Dichloroethane	ug/kg	10	ND
1,2-Dichloroethylene (Total)	ug/kg	10	ND
Chloroform	ug/kg	10	ND
1,2-Dichloroethane	ug/kg	10	ND
2-Butanone (MEK)	ug/kg	10	ND
1,1,1-Trichloroethane	ug/kg	10	ND
Carbon Tetrachloride	ug/kg	10	ND
Vinyl Acetate	ug/kg	10	ND
Dichlorobromomethane	ug/kg	10	ND
1,2-Dichloropropane	ug/kg	10	ND
Cis-1,3-Dichloropropene	ug/kg	10	ND
Trichloroethylene	ug/kg	10	ND
Chlorodibromomethane	ug/kg	10	ND
1,1,2-Trichloroethane	ug/kg	10	ND
Benzene	ug/kg	10	ND
Trans-1,3-Dichloropropene	ug/kg	10	ND
Bromoform	ug/kg	10	ND
4-Methy1-2-Pentanone (MIBK)	ug/kg	10	ND
2-Hexanone	ug/kg	10	ND
Tetrachloroethylene	ug/kg	10	ND
1,1,2,2-Tetrachloroethane	ug/kg	10	ND
Toluene	ug/kg	10	ND
Chlorobenzene	ug/kg	10	ND

MDL Method Detection Limit

9608 Loiret Boulevard Lenexa, KS 66219 TEL: 913-599-5665 FAX: 913-599-1759 Offices Serving: Minneapolis, Minnesota Tampa, Florida Iowa City, Iowa San Francisco, California Kansas City, Missouri Charlotte, North Carolina Asheville, North Carolina New York, New York Pittsburgh, Pennsylvania Denver, Colorado An Equal Opportunity Employer



Mathad

Mr. James Metz Page 16 QUALITY CONTROL DATA

December 16, 1991 PACE Project Number: 511031522

Client Reference: 8212-91-0050

VOLATILE ORGANICS, EPA METHOD 8240 LOW Batch: 60 09214 Samples: 60 0156433

METHOD BLANK:

Parameter	Units	MDL	Method Blank
VOLATILE ORGANICS, EPA METHOD 8240 L	OW.		
Ethylbenzene	ug/kg	10	ND
Styrene	ug/kg	10	ND
Xylenes (Total)	ug/kg	10	ND
Dichlorodifluoromethane	ug/kg	10	ND
Trichlorofluoromethane	ug/kg	5	ND
Acrolein	ug/kg	100	ND
Acrylonitrile	ug/kg	100	ND
Iodomethane	ug/kg		ND
Dibromomethane	ug/kg	5 5 5 5	ND
2-Chloroethylvinyl ether	ug/kg	5	ND
Ethylmethacrylate	ug/kg	5	ND
1,2,3-Trichloropropane	ug/kg	5	ND
1,4-Dichloro-2-butene	ug/kg	5	ND
1,3-Dichlorobenzene	ug/kg	5 5 5 5	ND
1,4-Dichlorobenzene	ug/kg	5	ND
1,2-Dichlorobenzene	ug/kg	5	ND
1,2-Dichloroethane-d4 (Surrogate)	%		91
Toluene-d8 (Surrogate)	%		103
4-Bromofluorobenzene (Surrogate)	%		104

SPIKE AND SPIKE DUPLICATE:

					Spine	
				Spike	Dupl	
Units	MDL	60 0155577	Spike	Recv		RPD
ug/kg	10	ND	50.0	104%	139%	28%
	10	ND	50.0	102%	111%	8%
			50.0	107%	120%	11%
ug/kg	10	ND	50.0	68%	86%	23%
	Units ug/kg ug/kg ug/kg ug/kg	ug/kg 10 ug/kg 10 ug/kg 10	ug/kg 10 ND ug/kg 10 ND ug/kg 10 ND	ug/kg 10 ND 50.0 ug/kg 10 ND 50.0	Units ug/kgMDL 1060 0155577 NDSpike 50.0Recv 104%ug/kg10ND50.0104%ug/kg10ND50.0102%ug/kg10ND50.0107%	UnitsMDL60 0155577SpikeDuplug/kg10ND50.0104%139%ug/kg10ND50.0102%111%ug/kg10ND50.0107%120%

MDL Method Detection Limit RPD Relative Percent Difference

> 9608 Loiret Boulevard Lenexa, KS 66219 TEL: 913-599-5665 FAX: 913-599-1759

Offices Serving: Minneapolis, Minnesota Tampa, Florida Iowa City, Iowa San Francisco, California Kansas City, Missouri Charlotte, North Carolina Asheville, North Carolina New York, New York Pittsburgh, Pennsylvania Denver, Colorado

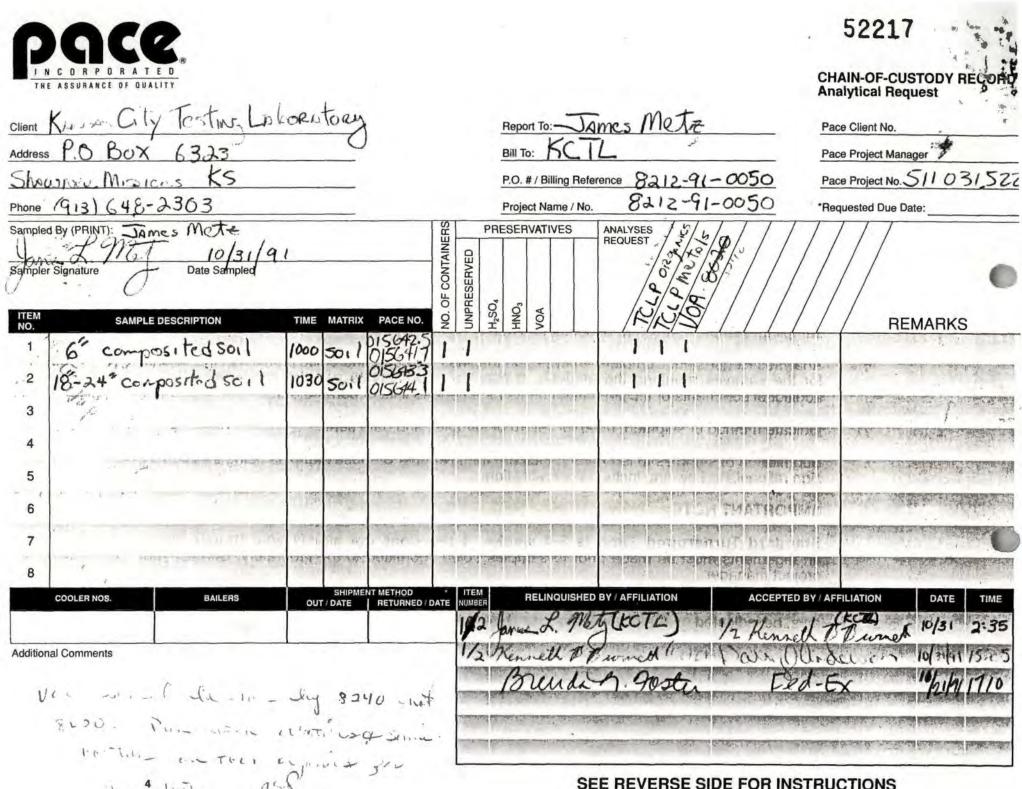
An Equal Opportunity Employer

Snike



Mr. James Metz Page 17	QUALITY CONTRO	L DATA		ber 16, Project	1991 Number:	51103	1522	
Client Reference: 8212-91-0050								
VOLATILE ORGANICS, EPA METHOD Batch: 60 09214 Samples: 60 0156433	8240 LOW							
SPIKE AND SPIKE DUPLICATE:					Spike	Spike Dupl		
Parameter	Units	MDL	60 0155577	Spike	Recv	Recv	RPD	
VOLATILE ORGANIC COMPOUNDS/ALL Chlorobenzene	IED LOW 91 ug/kg	10	ND	50.0	88%	107%	19%	

MDL Method Detection Limit



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SEE REVERSE SIDE FOR INSTRUCTIONS



From the office of

1669 JEFFERSON P. O. BOX 8586

KANSAS CITY TESTING LABORATORY A.C. 913-648-2303 KANSAS CITY, MISSOURI 64114

Mr. Jim Fisher Environmental Technician Inspections and Enforcement Section Bureau of Air and Waste Management KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT Northeast District Office 808 W. 24th Street Lawrence, KS 66046



OCT 2 8 1991

K. D. H. E. NORTHEAST DISTRICT

Re: Hazardous Waste Compliance - City of Leavenworth City Service Center EPA ID #KSD980632210 KCTL #8210-91-0059

Dear Mr. Fisher:

To comply with the Kansas Department of Health & Environment (KDHE) letter dated September 26, 1991, the City of Leavenworth has hired Kansas City Testing Laboratory (KCTL) to test soils at the City Service Center located at 2101 South 3rd Street, Leavenworth, Kansas.

The soil samples will be taken from the area of visibly contaminated soil located on the north side of the sign shop. Six locations will be chosen and sampled at 6" and 18-24". The 6" samples will be composited and the 18-24" samples will be composited. The two samples will be chemically analyzed following the toxicity characteristic leaching procedure (TCLP) pursuant to All 40 TCLP parameters will be analyzed. The 40 CFR 261.24. samples will be analyzed by Pace Labs, a Kansas certified laboratory located at 9608 Loiret Blvd., Lenexa, Kansas 66219 (913-599-5665).

KCTL expects mobilization to the site within one week or less. Laboratory results will be available three weeks following the collection of the sample and a final report within one week of receiving the laboratory analysis.

Respectfully Submitted, KANSAS CITY TESTING LABORATORY

James L. Mete Environmental Geologist

JLM/mjb

State of Kansas Joan Finney, Governor



Department of Health and Environment

Azzie Young, Ph.D., Secretary Northeast District Office 800 W. 24th Street Lawrence, Kansas 66046-4417

Reply to:

(913) 842-4600 FAX: 842-3537

April 24, 1992

Mr. Robert Lowery Assistant Public Works Director City Hall 5th & Shawnee Leavenworth, Kansas 66048

Re: Hazardous Waste Compliance Inspection City Service Center 2101 South 3rd Street Leavenworth, Kansas 66048 EPA Identification No. KSD980632210



Dear Mr. Lowery:

Thank you for your letter dated April 2, 1992. Based on the information provided and my observations during my April 13, 1992, follow-up inspection, the violations found during the September 24, 1991, inspection have been corrected.

Your cooperation with the hazardous waste management program is appreciated. If you have questions concerning this letter, please call me at the Northeast District Office at 913/842-4600.

Respectfully,

Jim Fischer Environmental Technician Inspections and Enforcement Section Bureau of Air and Waste Management

JF:tm

pc: Tom Gross, Bureau of Air and Waste Management John Mitchell, Bureau of Air and Waste Management M NEDO



LEAVENWORTH, KANSAS

April 2, 1992

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State of Kansas Department of Health and Environment Waste Programs & Inspection and Enforcement Section Attn: Mr. James D. Fischer 808 West 24th Street Lawrence, Kansas 66046-4417

APR 0 3 1992

City Hall 66048

K. D. H. E. NORTHEAST DISTRICT

Re: Hazardous Waste Compliance Inspection of September 24, 1991 City Service Center, 2101 South 3rd Street, Leavenworth, Kansas EPA Identification Number KSD980632210

Dear Mr. Fischer:

The items which you identified during your last inspection as being not in compliance have been corrected as follows:

- 1. a. In accordance with instructions received from Bob Kinder of the KDHE Office in Topeka, the ground contamination which resulted from dumping paint thinner on the ground was remedied by removing the contaminated soil and disposing of it at the Leavenworth Landfill. Approximately 60 cubic yards of contaminated soil was removed and spread at the landfill. The hole was then backfilled with clean dirt taken from the borrow pit located across from the Water Pollution Control facility on South 2nd Avenue.
 - b. All operations at the old paint shop were terminated October 1991, and training of personnel regarding use and disposal of toxic wastes has taken place. We have recently instituted weekly training sessions, and at least one session each month is devoted to environmental concerns. To facilitate future operations, we are converting to water base paint for all of our pavement markings.
- On March 3, 1992, an application was submitted to KDHE for an EPA Identification Number at the new Municipal Service Center site, 790 Thornton Street. A copy of that application and the KDHE response is attached as requested.

The City of Leavenworth is committed to complying with all State and Federal Environmental Laws, and to being good stewards of our environmental resources. We especially appreciate the support your organization has provided to us, and the positive manner in which you have provided assistance to us.

Sincerely,

Deputy Public Works Director

BL/jgb cc: File

Division of Environment Bureau of Environmental Field Services Northeast District Office 800 West 24 Street Lawrence, KS 66046

Robert Moser, MD, Secretary

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Phone: 785-842-4600 Fax: 785-842-3537 www.kdheks.gov

Sam Brownback, Governor

May 31, 2012

RECEIVED

JUN 01 2012

BUBEAU OF WASTE MANAGEMENT

Steve Wood Great Western Manufacturing Co., Inc. 2017 South 4th Street Leavenworth, KS 66048-3928

RE: Hazardous Waste Compliance Assistance Visit, Great Western Mfg. Co., Inc., EPAID: KSD007136872, Leavenworth County, Kansas

Dear Mr. Wood,

On March 7, 2012, I conducted a compliance assistance visit (CAV) at the above referenced facility to determine compliance with Kansas Administrative Regulations (KAR) and Kansas Statutes Annotated (KSA). This visit was conducted under the authority of the CAV agreement entered into on October 18, 2011. As a result of the visit, 16 deficiencies were observed.

On May 25, 2012, I received a response to the deficiencies from Mike Downie, Summit Safety Group, on behalf of the facility. The response is adequate to correct violations the remaining deficiencies. With regards to deficiency 3, please be aware that if the facility is using the same paint gun cleaning solvents that were being used at the time of inspection, the resulting hazardous waste will be a listed waste as well as ignitable.

Also, in the letter mailed to you on May 2, 2012, I inadvertently labeled the facility's deficiencies as violations. To be clear, there were no violations cited as a result of my visit.

Your cooperation with the waste management program is appreciated. If you have questions concerning this letter, please call me.

Respectfully,

Brian D'Alfonso Waste Management Program Northeast District Office Bureau of Environmental Field Services

Mike Downie, Summit Safety Group cc: Jim Rudeen, BWM Rebecca Wenner, BWM NEDO file



Department of Health & Environment

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J.

Brian D'Alfonso

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From:	Mike Downie [mdownie@summitsafetygroup.com]
Sent:	Friday, May 25, 2012 3:09 PM
То:	Brian D'Alfonso
Subject:	Great Western Mfg response
Attachments	: KDHE haz waste response supplemental letter 5-2012.pdf

Mr. D'Alfonso-

Please review the attachment and let me know if it satisfies your request for additional information.

Thank you.

Mike Downie, CSP President Summit Safety Group 417-343-3200



May 24, 2012

Brian D'Alfonso KDHE Waste Management Program Northeast District Office 800 West 24 Street Lawrence, KS 66046

RE: Hazardous Waste Compliance Assistance Visit for Great Western Manufacturing in Leavenworth, KS

Dear Mr. D'Alfonso:

I have received your May 2, 2012 letter to Steve Wood of Great Western Manufacturing. In it you request further information related to your compliance assistance visit. Below I have provided the information you requested.

Violation 1A - The facility has stopped cleaning paint booth guns by spraying them into the filters. With our knowledge of the process, we have determined that the paint booth filters are hazardous waste and are being disposed as such.

Violation 3 - Please see attached hazardous waste determinations for paint booth filters and paint gun cleaning waste. We do not have any waste lamps. We only have used lamps that are being handled as an Universal Waste.

Violation 8 - Attached are three weeks of inspection logs.

Violation 10 - Attached is a copy of the emergency information. The scan/fax did not come across clearly, but the black area on the right has daytime and 24 hr contact information for plant personnel; and local emergency officials.

Violation 13 - Doug Price of Great Western Manufacturing is reviewing rider manifests and inspecting them for errors.

Violation 15 - A copy of the signed manifest #001225800 is attached.

If you have any further questions, please contact me directly at 417-343-3200 or via email at mdownie@summitsafetygroup.com.

Sincerely,

Melo Vounie

Mike Downie, CSP President

Lenexa Office: 913-327-5421 • Springfield Office: 417-823-7233 • www.summitsafetygroup.com

Paint Department Hazardous Waste Determinations

Waste Stream	1	с	R	<u> </u>	Listed	Hazardous Waste
Used booth filters	х					Yes
Gun Cleaning waste	Х					Yes

Used booth filters and gun cleaning waste are ignitable due to knowledge of process. Per material safety data sheets, paints and solvents have flash points below 140 degrees.

I=Ignitable C=Corrosive R=Reactive T=Toxic

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2 Condition of Containers Condition of Storage Area Inspection 2012 ed Acc. Closed Good Adequate Condition of Signage Dale Time Corrective Actions Taken Segregation Area Date of Signature of V" Start sealed | Condition Alsle base & legible Corrective of Secured/ Inspector (No Date Incompatible Locked Spare Containment Actions initials) 4:12FN Waste · good funnels for Orum 39-17:45 3-18-12 Yes 5 Vis A0 485 Yes Yes VLS 119 Annel Still Great Western n VUS st leceived Ves no u **₹**5 HIDSSAM 16 40 765 185 funnel still 3-249:007 ves 41 > Vis 225 NO ٧ts ЖJ not received VtS γtS 3-300 TO: man for 1. mt builts 41 1es 425 445 294 5 145 nO VP.S 105 × Instelled new 105 Ves Ves 4-5-12 Ves ves Ves ٧el novel 45-12 Ves 9 Sort off. Print 4-12-16 ÷. 5 415 YES 105 405 Ves VE.S 455 4.2012 10:2014 visit 413-12. 4-13-1L VCS V15 VIS 495 3 Yes Wes كمكلا 12172012 4,171 8:30 ¶1A NA es 1-5 UP5 vo 411 YPS Ve! ¥ { S NA N/A Y£ Ves ٧tS ۲۲۶ 5-3-12 2:00 00 Ve s Yes Yes VP.S THU NA 44S 5701L11:1AM Vrs Ves Ves Ves ver ni I Ves 5, 518-14 2:000 NA NIA Yes Ves Yes 745 Ves Ves G Acceptable Toles a . 2001 KEEP ON FILE FOR A MINIMUM OF THREE YEARS - 015K->

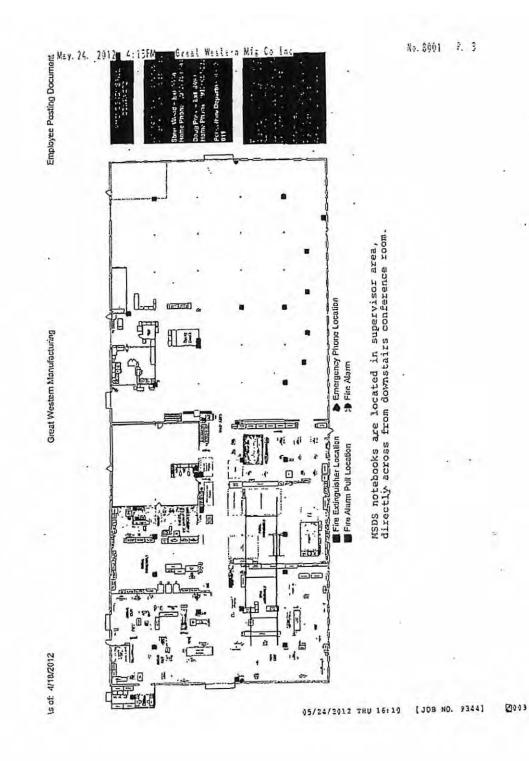
HAZARDOUS WASTE STORAGE AREA WEEKLY INSPECTION LOG

Senoles a problem

Great Western MFG Leavenworth, KS

2002

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Lenexa Office: 913-327-5421 + Springfield Office: 417-823-7233 + www.summitsafetygroup.com

May 24. 2012 4:15FM - Great Western Mig Coline

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Lenexa Office: 913-327-5421 + Springfield Office: 417-823-7233 + www.summitsafetygroup.com

	BUREAU OF ENVIRONMENTAL FI NORTHEAST DISTRICT O MEMORANDUM	
TO:	Jim Rudeen	MAY I SE MANAGEMENT BUREAU OF WASTE MANAGEMENT
FROM:	Brian D'Alfonso	BUREAU OF WALLEMENT

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DATE: May 8, 2012

SUBJECT: Hazardous Waste Compliance Assistance Visit, Great Western Mfg. Co., Inc., EPAID: KSD007136872, Leavenworth County, Kansas

In my May 2, 2012 follow-up letter to the facility, replying to their response, I inadvertently listed the facility's deficiencies as "violations". The visit at the facility was a compliance assistance visit, not a compliance inspection, thus no violations were cited.

Division of Environment Bureau of Environmental Field Services Northeast District Office 800 West 24 Street Lawrence, KS 65046

Kansas

Phone: 785-842-4600 Fax: 785-842-3537 www.kdheks.gov

Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

May 2, 2012

MAY 0 4 2012

RECEIVED

BUREAU OF WASTE MANAGEMENT

Steve Wood Great Western Manufacturing Co., Inc. 2017 South 4th Street Leavenworth, KS 66048-3928

RE: Hazardous Waste Compliance Assistance Visit, Great Western Mfg. Co., Inc., EPAID: KSD007136872, Leavenworth County, Kansas

Dear Mr. Wood,

On March 7, 2012, I conducted a compliance assistance visit (CAV) at the above referenced facility to determine compliance with Kansas Administrative Regulations (KAR) and Kansas Statutes Annotated (KSA). This visit was conducted under the authority of the CAV agreement entered into on October 18, 2011. As a result of the visit, 16 deficiencies were observed.

On April 16, 2012, I received a response to the deficiencies from Mike Downie, Summit Safety Group, on behalf of the facility. The response is adequate to correct violations 1B, 2, 4-7, 9, 12, 14 and 16. The response is inadequate to correct violations 1A, 3, 8, 10, 13, & 15 as follows:

Violation 1A – To correct this violation, the facility must stop cleaning paint guns by spraying them out in the paint booth. After further review of my notes, it was determined that this method of cleaning paint guns is considered treatment of hazardous waste. Waste solvent from cleaning paint guns must be determined and disposed of properly. The solvents that were being used at the time of my visit would make the waste hazardous, requiring disposal with a hazardous waste vendor. As discussed during my visit, the facility's paint booths may not be a hazardous waste once this practice stops and the filters are changed out.

Violation 3 – Please submit a sample of the facility's hazardous waste determinations. Please include the written waste determinations for paint booth filters, paint gun cleaning waste and waste lamps.

Violation 8 - Please submit the at least the first three weeks of the facility's weekly inspection logs.

Violation 10 -- Please submit a copy of the emergency information that the facility has posted.

Violation 13 – Please be aware that the facility typically does not control how many "rider" manifests are used during the shipment of hazardous waste. Most often, the number of "rider" manifests is determined by how many different transporters are used to transport the waste to the designated facility. The facility needs to ensure that all copies of manifests that are received from the designated facility are thoroughly inspected for errors. Any errors that are found should be discussed and corrected with the vendor.

Violation 15 – Please submit a copy of manifest #001225800 GBF that is signed by the designated facility.

Also, per the compliance assistance visit agreement, please find enclosed a copy of the facility's Hazardous Waste Compliance Assistance Visit Report that has been submitted to the Bureau of Waste Management.

This notice is provided to call immediate attention to those areas of non-compliance. This notice does not constitute a compliance order issued by KDHE and may not be a complete listing of all violations which may be identified as a result of this inspection. You must submit in writing by May 25, 2012, all requested materials

Your cooperation with the waste management program is appreciated. If you have questions concerning this letter, please call me.

Respectfully, alla -205

Brian D'Alfonso / Waste Management Program Northeast District Office Bureau of Environmental Field Services

- cc: Mike Downie, Summit Safety Group Jim Rudeen, BWM Rebecca Wenner, BWM NEDO file
- encl: Hazardous Waste Compliance Assistance Visit Report

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Brian D'Alfonso

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From:	Mike Downie [mdownie@summitsafetygroup.com]
Sent:	Monday, April 16, 2012 11.04 PM
То:	Brian D'Alfonso
Subject:	Great Western Mfg response letter
Attachments	: KDHE haz waste response letter 4-2012.pdf

Mr. D'Alfonso-

Can you let me know that you received this. If you need any further information please feel free to contact me directly.

Mike Downie, CSP President Summit Safety Group cell 417-343-3200



April 13, 2012

Brian D'Alfonso KDHE Waste Management Program Northeast District Office 800 West 24 Street Lawrence, KS 66046

RE: Hazardous Waste Compliance Assistance Visit for Great Western Manufacturing in Leavenworth, KS

Dear Mr. D'Alfonso:

I have been authorized by Steve Wood of Great Western Manufacturing to respond to your Notice of Deficiency letter dated March 14, 2012.

Below are our responses to each item.

1) Unlawful disposal of hazardous waste

A. Paint booth filters are now disposed as hazardous waste. The attached picture shows the box that the waste hauler, Crystal Clean, has supplied to ship the filters.

B. Paper wipes are no longer used in the Sta Put spraying area. Cloth wipes are now being used. they are laundered and reused.

2) Waste from the two blast cabinets has been analyzed and found to be non-hazardous. Attached are the lab results used to make this determination.

3) Written waste determinations have been made for all waste streams

4) Containers of Universal Waste - Used Lamps have been labeled. See attached pictures.

5) The boxes of used lamps have been closed. See attached pictures

6) Universal Waste training has been added to the list of topics that are covered in the annual employee safety training

7) A new threaded funnel with latch has been purchased and installed. See attached picture.

8) Doug Price is now doing weekly hazardous waste storage inspections. He utilizes a preprinted checklist to document the inspections.

9) The weekly inspections noted in item 8 includes the date and time of inspection, name of inspector, notations and observations, and date and nature of remedial actions.

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10) Emergency information including the 24 hour phone number of the two emergency coordinators, location of fire extinguishers and spill control equipment, and 911.

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11) A hazardous waste training program has been developed for the hazardous waste coordinator and assistant at Great Western. Training was completed this month by Mike Downie of Summit Safety. All employees will be trained at the annual training meeting.

12) Great Western has contacted Crystal Clean and asked them to ensure their drivers double check the ID numbers. They also asked about pre-printed manifests to help reduce the chance of errors from hand printing.

13) Multiple manifests will no longer be used.

14) Crystal Clean has been notified to only use the codes that correctly classify the hazardous waste.

15) Great Western will maintain manifests for at least 3 years from date of shipment.

16) Crystal Clean has been notified to generate a corrected Land Disposal Restriction to be sent to the TSDF after the next shipment.

If you have any further questions, please contact me directly at 417-343-3200 or via email at mdownie@summitsafetygroup.com.

Sincerely,

Mile Howie

Mike Downie, CSP President



Item #4 picture of labeled and closed Universal Waste containers



Item #4 picture of labeled and closed Universal Waste containers.



Item #7 threaded and latched funnel on hazardous waste drum.

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	Re	IRONMENTAL SERVICES, LLC		Sampled 23-MAR-12 09:00		Lab ID A944989					
	HERINE MCCORD RTAGE- CRYSTAL CLEAN, LLC			R-12	Cheni ID : GREAT WESTERN MFG. Matrix : SLUDGE, SOIL, SOLID OR SEDIMENT						
SUITE 375	- EHS		02-API		Submitter: 9018 - HERITAGE- CRYSTAL CLEAN Data Package # : NA						
			Sample Descri	ption		· · · · · · · · · · · · · · · · · · ·		_			
		RNET BEADS									
CC NUMBER											
SALESPER	SUN; J.					·		_			
Metals A	alysis							۰ ۱			
Method	Rep	Parameter		Anstyzet	Result	Det. Limit	Unita	Ar			
SW6010B	0	ARSENIC, TCLP		01-Apr-12		0.050	ጠያቪ	JP			
SW60 KOB	Q	BARIUM, TOLP		01-Apr-12	2 0.065	0.050	mg/L	361			
SW6010B	0	CADMIUM, TCLP		01-Apr-12	t BDL	0.025	mg/L	161			
SW60108	0	CHROMIUM, TCLP		01-Apr-12	2 BOL	0.050	ոցԼ	JP			
SW80108	0	LEAD, TOLP		01-Apr-12		D.050	mg/L,	JPI			
SW60108	0	SELENIUM, TCLP		01-Apr-12		0.050	mgit,	JP			
SW60108	0	SILVER, TOLP		01-Apr-12	BDL	0.050	ng/L	JP			
TCLP As- SW6010B	0	TCLP reg Lind: 8.0 mgA. 1:5 Diston.									
TCLP Bas SW60108	0										
TCLP Cd- SW6010B	-	TCLP reg Limit: 1.0 mg/L 1:5 Dilution.									
TCLP Cr- SW60109		TCLP reg Linit, 5.0 mg/L, 1.5 Oilution.									
TCLP Pb- SW6010B	٥										
TCUP Se- SW6010B		TCLP reg Limit: 1.0 mga, 1:5 Coution.									
TCLP Ag- SW6010B	0	TCLP reg Limit: 5.0 mpA. 1:5 Dilution.				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
		Sau Sau	nois Comm	ents							

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Sample was not received on ice at temperature 24.2 C. Sample chain of custody number HCC. This is a summary report. Complete analytical information can be found in the full Certificate of Analysis, available upon recuest

JT. 550 0

Approved by: CHRISTOPHER BOYLE 02-APR-12

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HERITAG		URONMENTAL SERVICES, LLC		pled 12 09:DD	_Lab.IDA	944990			
CATHERINE MCCORD HERITAGE-CRYSTAL CLEAN, LLC 2175 POINT BLVD.		HERINE MCCORD BITAGE-CRYSTAL CLEAN, LLC 25 5 POINT BLVD.		Received Client ID: GREAT WEST 28-MAR-12 Matrix: SLUDGE, SCIL, S Completed Submitter: 9018 - HERITA		, SOIL, SOLID	OLID OR SEDIMENT		
SUITE 375 - ELGIN, IL 601			02-AP	R-12	Data Packago # :	: N/A			
DESCRIPTIC CC NUMBER SALESPERS	CC0	ASS BEADS 15032312D	Sample Descr	iption					
Metals An	atysis					 			
Method Sty50108	Rap	Parameter ARSENIC, TCLP		Analyze		Det Limit	Unita mg/L	Ani JPK	
SW60108	ā	BARIUM, TCLP		01-Apr-12		0.050	mgA	JPK	
SW6010B	0	CADMIUM, TCLP		01-Apr-12		0.025	mon	JPK	
STV6010B	Ō	CHROMIUM, TCLP		01-Apr-1	2 BDL	0.050	mgL	JPK	
SW60108	0	LEAD, TCLP		01-Apr-12	2 0,065	0.050	mg/L	JPK	
SW60108	٥	SELENIUM, TCLP		01-Apr-12	Z BOL	0.050	mg&	JPK	
SW60108	0	SILVER, TOLP		01-Apr-12	2 BDL	0.050	mgiL	JPK	
TCLP As- SW60108	0	TCLP reg Limit: S.0 mg/L 1:5 Offation.						1	
TCLP Ba- SW60108	0	TCLP reg Limit: 100 mg/L 1:5 Dilution.		•					
TCLP Cd- SW6010B		TCLP reg Limit: 1 0 mg/L 1:5 Ditution,							
TCLP Cr- SW80 10B		TCLP reg Limit, 5.0 mg/L 1,5 Offution.							
TCLP Pb- SW5010B		TCLP reg Limit: 5.0 mg/L 1:5 Dilution							
TCLP Se-		TCLP reg Limit, 1.0 mg/L 1:5 Dilution.							
TCLP Ag- SV/6010B	0	TCLP reg Umit: 50 mg/L 1:8 Dilution.							
		Se.	mple Comm	ents					

NA Not Applicable

HERITAGE

YES Yes

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- Sample was not received on ice at temperature 24.2 C. Sample chain of oustody number HCC.

This is a summary report. Complete analytical information can be found in the full Cartificate of Analysis, available upon request.

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Approved by: CHRISTOPHER BOYLE 02-APR-12

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KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT BUREAU OF WASTE MANAGEMENT BUREAU OF ENVIRONMENTAL FIELD SERVICES

HAZARDOUS WASTE COMPLIANCE ASSISTANCE VISIT

Facility information
EPA/ ID/Permit No. KSD 007 136 872 Number of Employees 100
Facility Name Great Western Manufacturing Co, Inc District Northeast
Street 2017 S 4 th Street City Leavenworth ,KS ZiP 66048
Mailing Address (if different than above) PO Box 149, Leavenworth, KSm 66048
County Leavenworth e-mail
Phone <u>913-682-2291</u> Cell Phone Fax
Operating Hours and Days 7-4:30, M-F
Type of Business Sieve manufacturer
Were GPS coordinates previously taken for this facility and recorded in the appropriate database?
If no, did you take the GPS coordinates for this facility and record them in the appropriate database
Generator Classification:
If the facility is inactive and/or closed, please provide an explanation under Facility Description.
Other Regulated Activities: T/S/D Facility Tank System Subpart BB (Complete applicable reports) Universal Waste Activities Transporter
Does the facility have a total above-ground storage capacity of used oil (excluding containers less than 55- gallons) of more than 1,320 gallons?
If yes, then the facility is subject to SPCC requirements due to used oil activities. Does the facility have a SPCC Plan? Did you inform the facility they are subject to SPCC Yes No X NA
Facility Used Oil Activities (Attach a checklist for each one marked): Image: Collection Center / Aggregation Point Image: Collect
Inspection Time 10:20 AM Date(s) March 7 & 8, 2012
Name of person completing this report: Brian D'Alfonso

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Inspection Participants (Include name of inspector(s)):

			Part				
Name	Title	Company/ Agency	Intro Meeting	Walk- Through	Records Review	Exit Briefing	Comments
Brian D'Alfonso	Env Sci	KDHE	X	X	X	X	
Doug Price	EHS Coordinator	Great Western	X	Х	X	X	
Steve Wood	Plant Manager	Great Western	X	Х		X	
Kevin Watkins	Painter	Great Western		Х			
Matt Hutchens	Painter	Great Western		X			

Has the company declared any information/processes as trade secrets KSA 65-3447?
Yes No If yes, explain: NA

Has this facility been previously inspected by EPA and/or KDHE? Xes IN No If yes, please summarize the following:

Date	Agency	Description of Violation (do not need to include reg. citations or comments)
9-28-87	KDHE	Container Marking, Container Inspection, Placarding, Personnel Training, Notification

<u>Changes since the previous inspection:</u> (Please provide a brief description of any significant process, waste, management, ownership, or other pertinent changes since the previous inspection. If no previous inspection, this section should be blank.)

The facility's contact person has changed since the last inspection.

Facility Description: (# of buildings, approximate size of each building, basic activity in each building, processes, etc.), if not already described in previous reports or in changes since previous inspection section of this report:

The facility consists of three buildings. The main building is approximately 40,000 square feet and all manufacturing occurs in the main building. All of the facility's office space is also in the main building. The other two buildings are approximately 5000 square feet each and are used solely for storage.

Additional Information: (Include pertinent information from this inspection that does not pertain to violations or comments and is not already discussed in other sections)

This inspection was conducted as a hazardous waste compliance assistance visit (CAV) (see attachment 11). When I arrived at the facility to conduct a routing compliance inspection, Mr. Price informed me that he had submitted the CAV request to Jim Rudeen, Bureau of Waste Management (BWM), one to two weeks prior to my arrival. I contacted Mr. Rudeen to inquire about the facility's CAV application. Mr. Rudeen confirmed that the facility had applied for a CAV. Mr. Rudeen and I decided to conduct the inspection as a CAV. The facility agreed and signed the CAV agreement prior to the inspection.

Exit Conference:

Date of Exit Conference: 3-8-12

Were all violations, comments, corrective actions, and response due dates discussed with the facility if applicable? Xes No

Was the possibility of additional violations and possible enforcement discussed with the facility?

Were the generator status and applicable regulatory requirements discussed with the facility during the exit briefing and/or previously during the inspection? X Yes I No

List of items provided to facility:		
NOC/NONC	Yes	🖾 No
BWM CD	🛛 Yes	🗋 No
Container Posters	X Yes	No No
Other (list): Weekly hazardou	s waste storage	area log template

Summary of additional information presented to facility during exit conference:

List of Attachments:

#	Description of Attachments (List Photolog as last attachment if applicable)
1	NOC/NONC Form
2	Waste Stream Table
3	Sherwin William Lacquer Thinner MSDS
4	Paint Booth Filter Analytical
5	Sta'-Put ST172 MSDS
6	Monthly Hazardous Waste Storage Area Inspection Form
7	Manifests #001464373 GBF
8	Manifests with wrong page count
9	Manifest # 001225800 GBF
10	Waste paint related material LDR
11	Signed CAV Form
12	Photo Log

Violations and Comments

Were Violations cited:	🛛 Yes	🗌 No
Were written comments made:	🗋 Yes	🛛 No

Provide a detailed description of each violation and comment, including photo references, attachment references, and regulatory citations below:

Area of Concern / Deficiency

Deficiency 1 - Unlawful disposal of hazardous waste, in violation of KSA 65-3441(a)(1).

- Paint booth filters During my inspection, Mr. Watkins and Mr. Hutchens stated that they clean paint guns in the paint booths by spraying solvents through the guns in the paint booth allowing the filters to catch the waste solvent. Mr. Watkins stated he uses Sherwin Williams Lacquer Thinner (see attachment 3) and straight methyl ethyl ketone (MEK) for cleaning his paint guns. The lacquer thinner is ignitable and contains regulated amounts of toluene, acctone and MEK, making the waste a D001, F003 and F005 hazardous waste. Mr. Hutchens stated he uses straight xylene for cleaning his paint guns, making the waste a F003 hazardous waste. I explained to both painters and Mr. Price that these solvents are listed hazardous wastes when used for cleaning, making the paint booth filters hazardous. I asked Mr. Watkins and Mr. Hutchens how the paint booth filters are disposed of when changed and they the paint booth filters are disposed of in the regular trash. I explained that the paint booth filters must be managed as hazardous waste if the facility keeps cleaning their paint guns in this manner. We then discussed other practices that would keep the paint booth filters from becoming hazardous, such as collecting the cleaning solvents. The facility had tested their paint booth filters for metals and determined they were non-hazardous for heavy metals (see attachment 4).
- Solvent contaminated paper wipes Paper wipes are being used to clean glue in the wood assembly area with Sta'-Put ST172 thinner (see attachment 5). This solvent contains greater than 10% methylene chloride and trichloroethylene, making the wipes a F002 hazardous waste. I explained to Mr. Price that the wipes must be collected and disposed of as hazardous waste if the facility maintains the same process.

Deficiency 2 - Failure to determine, as required by 40 CFR 262.11.

The facility is disposing of waste from two blast cabinets in the regular trash. According to Mr. Price, the waste from these blast cabinets has not been analyzed for heavy metals to make an accurate waste determination. One cabinet is used with glass beads for cleaning stainless steel and the other cabinet is used for cleaning all other metals with Garnett beads. I explained to Mr. Price that the wastes must be tested for heavy metals to make a proper waste determination.

Deficiency 3 - Failure to maintain written waste determinations, as required by 40 CFR 262.40(c). HW Cover Page Revised: 5-2-11

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At the time of inspection, the facility did not have written waste determinations for all waste streams. Mr. Price produced analytical for waste paint booth filters (see attachment 4), but no other documentation of determinations was presented.

Deficiency 4 - Failure to label two containers of universal waste with the proper label, as required by 40 CFR 273.14(e).

At the time of inspection, there were two containers; one box and one light tube that contained waste fluorescent lamps and were not labeled (see photos 1 & 2). There was a third container that was properly labeled. I explained the requirements to Mr. Price and he stated he understood.

Deficiency 5 – Failure to close one container of universal waste, except when adding or removing waste, as required by 40 CFR 273.13(d)(1).

One box of universal waste lamps was not closed at the time of inspection (see photo 1). I explained to Mr. Price that all containers of universal waste must be closed at all times except when adding or removing waste.

Deficiency 6 - Failure to train employees on proper management of universal waste, as required by 40 CFR 273.16.

Mr. Price stated that no training has been conducted addressing the proper management of universal waste. Also, facility personnel stated they did not know that the containers must be closed and did not know what type of label was required on the containers. I explained to Mr. Price that universal waste management must be included with the facility's waste training. Mr. Price stated he understood.

Deficiency 7 - Failure to keep all containers of hazardous waste closed at all times except when adding or removing waste, as required by 40 CFR 265.173(a).

One 55-gallon container of hazardous paint waste had a funnel that did not attach to the drum or latch closed with a seal (see photo 3). I explained the requirements of a closed container to Mr. Price, including funnel types, and explained where he could find the department's technical guidance document on closed hazardous waste containers. Mr. Price stated he understood.

Deficiency 8 - Failure to conduct weekly inspection of hazardous waste storage areas, as required by 40 CFR 265.174.

The facility is conducting monthly inspections of hazardous waste storage containers as part of their storm water plan (see attachment 6). I explained to Mr. Price that as a small quantity generator (SQG) of hazardous waste, the facility must conduct these inspections weekly. Mr. Price stated he understood. I left a weekly hazardous waste storage area log template with Mr. Price that he could use.

Deficiency 9 – Failure to include time of inspection on the hazardous waste storage container inspection log, as required by 40 CFR 265.15(d).

The facility's inspection log discussed in deficiency 8 was missing the time of inspection (see attachment 6). I explained the items that must be documented during the inspections and explained that the items were all on the template left on site.

Deficiency 10 - Failure to post emergency information, as required by 40 CFR 262.34(d)(5)(ii).

The required emergency information was not posted in the facility. I explained to Mr. price that the facility must post, next to at least one telephone which is accessible with little or no delay, the name and telephone number of emergency coordinator(s), location of fire extinguishers, spill control material, and if available, fire alarms, and the telephone number of the fire department unless the facility has a direct alarm (911 is acceptable). I also explained that if the facility relies solely on cell phones, the information still must be posted, and all posted phone numbers must be programmed into the cell phones. Mr. Price stated he understood.

Deficiency 11 - Failure to establish a hazardous waste training program, as required by KAR 28-31-262a(d)(1).

Facility personnel stated that a hazardous waste training program has not been established. I explained the requirements of the facility's training program. Mr. Price stated he understood.

Deficiency 12 - Wrong EPAID number on manifest, in violation of 40 CFR 262.20(a).

Manifest number 001464373 GBF contained the EPAID # KSD000136872 (see attachment 7). The facility's EPAID # is KSD007136872. I explained to Mr. Price that the facility must contact their hazardous waste vendor to correct the manifests in the future.

Deficiency 13 - Failure to include correct page number on multiple manifests, as required by 40 CFR 262.20(a).

During my record review I observed multiple manifests that included a rider manifest (second page) used solely for extra transporters. The first page of these manifests was not corrected to indicate that a second page was used (see

HW Cover Page Revised: 5-2-11

attachment 8). I explained to Mr. Price that the facility must contact their hazardous waste vendor to correct the manifests in the future.

Deficiency 14 - Failure to include waste codes on manifests, as required by 40 CFR 262.20(a).

My inspection showed that the facility's waste paint related material carries waste codes D001, F003, F005, and D035 at a minimum. The facility's manifests show the waste to carry waste codes F003, F005, D007 and D008 (see attachments 7, 8, & 9). During my record review, facility personnel provided me with analytical results that showed the waste does not contain regulated levels of heavy metals (see attachment 4), thus waste codes D007 and D008 do not need to be included on the waste manifest. I explained to Mr. Price that the facility must contact their hazardous waste vendor to correct the manifests in the future.

Deficiency 15 – Failure to retain a copy of the manifest signed and dated by the designated facility, as required by CFR 262.40(a)

The facility only had the initial copy of manifest # 001225800 GBF (see attachment 9). I explained to Mr. Price that the signed manifest must be maintained for three years. I also explained what the facility should do if the signed copy is never received. Mr. Price stated he understood.

Deficiency 16 – Failure to include manifest number and waste codes on the land disposal restriction notification form (LDR), as required by 40 CFR 268.7(a)(2).

The facility had multiple LDRs for the waste paint related material waste stream (see attachment 10). None of the LDRs included the proper waste codes as discussed in deficiency 14 or a manifest number. I explained to Mr. Price that the facility should contact their waste vendor and ensure that a proper LDR is sent with the next manifest to the TSDF. I also explained that a corrected LDR must be maintained on site, and could be used to replace the old LDRs. Mr. Price stated he understood.

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HAZARDOUS WASTE GENERATOR COMPLIANCE INSPECTION REPORT

GI	ENERAL REQUIREMENTS (GGR)				
1.	Has the generator evaluated each potentially hazardous waste to determine	YES	NO	NAV	′ #
1.	if it is hazardous? 40 CFR 262.11		\boxtimes		2
	 a. If waste was tested, was the analysis conducted by a laboratory certified by KDHE? KAR 28-31-262(c)(2) b. If waste was not tested, did the generator use knowledge of the hazardous 				
	 characteristics of the waste in light of the materials or processes used? 40 CFR 262.11(c)(2) c. Is documentation of the waste determination kept for three years from the date 	\boxtimes			
	the waste was last sent to on-site or off-site treatment, storage or disposal? 40 CFR 262.40(c)		\boxtimes		3
2.	If hazardous waste is disposed of via the sanitary sewer to a Publicly Owned Treatment Works (POTW), has the generator received written approval from the City - POTW?			\boxtimes	
3.	Has the facility obtained a Special Waste Disposal Authorization (SWDA) for each special waste? KAR 28-29-109(c)			\boxtimes	
4.	If the generator treats or recycles hazardous waste on-site (such as in a still), do they count waste correctly? 40 CFR 261.5(d)(2) a. If the waste is not counted, is it exempt because of a closed-loop system?			XX	
5.	Has the KSQG, SQG, or LQG notified KDHE and obtained an EPA Identification Number? 40 CFR 262.12(a) (Mark NA only for CESQG)				
6.	Is current notification accurate? (Updates must be made within 60 days of the change) KAR 28-31-4	\boxtimes			
	NIVERSAL WASTE				
7.	Does the facility choose to manage some of its waste as universal waste? If no, skip this section. If yes, check each type of universal waste that applies: batteries mercury-containing equipment pesticides lamps				
8.	Is the facility a small quantity handler of universal waste (accumulates <11,000 lbs or <5,000 kgs)? If the facility is a large quantity handler of universal waste, explain under "additional information" and skip the remaining questions in this section. These questions are designed only for small quantity handlers of universal waste.				
9.	If the facility manages mercury-containing equipment, do they remove mercury-containing ampules from equipment? If yes, are the requirements of 40 CFR 273.13(c)(2) met? (These include using secondary			\boxtimes	
	containment during the removal, having a mercury spill kit available, training employees, and other requirements.) 40 CFR 273.13(c)(2)			\boxtimes	

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	If yes, describe	-			
	acceptable manner? 40 CFR 261.5(g)			\boxtimes	
16.	Is the CESQG recycling, treating, or disposing of hazardous waste on-site in an	YES	NO	NAV	#
G					
	Note: Small quantity handlers are not required to keep records of shipments of universal waste	Э.			
	 Has a shipment been sent to a foreign destination? (if yes, explain in additional information section.) 		\boxtimes		
	a. Has a shipment sent by this handler ever been rejected? (if yes, explain in additional information section.)				
15.		\boxtimes			
	If yes, was it cleaned up and a proper waste determination made on the cleaned up material? 40 CFR 273.17(b)				
14.	Has there been a release of universal waste at this facility?	П			
13.	Have employees been trained on proper management of universal waste? 40 CFR 273.16				6
,12.	Can the accumulation time (date became a waste or from receipt date) be demonstrated by date on container, date in accumulation area, date on individual waste items, inventory system, or other method? 40 CFR 273.15(c)	\boxtimes			
	 Mercury-containing equipment (the word "thermostat" can be substituted for the words "containing equipment") 40 CFR 273.14(d) Lamps 40 CFR 273.14(e) 		\square		4
	 "Universal Waste", or "Waste" or "Used"? a. Batteries (only damaged or leaking batteries must be contained) 40 CFR 273.14(a) b. Pesticides 40 CFR 273.14(c) Note: cannot use the words "Used Pesticides" 1. Is the original pesticide label or other approved label, also present? 			XXX	
11.	Is each container (or unit if not containerized) marked appropriately with one of the following phrases (substitute the appropriate universal waste for the blank)?:				
	 a. Batteries (only damaged or leaking batteries must be contained) 40 CFR 273.13(a)(1) b. Pesticides 40 CFR 273.13(b)(1) c. Mercury-containing equipment 40 CFR 273.13(c)(1) d. Lamps 40 CFR 273.13(d)(1) 				5
10.	Are all universal wastes managed in closed containers that are structurally sound, adequate to prevent breakage, compatible with the contents of the container, lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions?	_	_	573	

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17. If the CESQG is accumulating less than 55 lbs (25 kgs) of hazardous waste on-site, is the CESQG sending this waste off-site for treatment, storage, or disposal according to?
 40 CFR 261.5(g)

If yes,	describe	<u></u>			
(If des	cribed on the	e waste stream tab	ile, don't repeat h	ere.)	

(If Non-Accumulating CESQG, stop here)

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18.	······································		NO NA V#
	CESQG sending waste off-site for treatment, storage, or disposal, to a TSD or some other approved waste management facility (HHW)? KAR 28-31-262a(f)(2)(B)		
19.	Does generator package, label (fiammable liquid, poison, etc.), and mark (consignee's or consignor's name and address, etc.) waste in accordance with the requirements outlined in 49 CFR Parts 172, 173, 178, and 179 (DOT)? 40 CFR 262.30 (package), 40 CFR 262.31 (label), 40 CFR 262.32(a) and (b) (mark)		
20.	Does the generator only use a transporter who has registered with KDHE and obtained an EPA Identification Number? KAR 28-31-262a(a)(2)		

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CONTAINER MANAGEMENT REQUIREMENTS

NOTE: SAA refers to Satellite Accumulation Area. SAAs do not apply to CESQGs, whose containers must all meet storage requirements.

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21.	For the SAA, is 55-gallons or less of each waste stream accumulated at or near the point of generation, in one container, which is under the control of the operator of the process generating that waste? KAR 28-31-262(c)(6)	\boxtimes		
22.	Is each container managed as a storage container within three days of no longer meeting the definition of a satellite container? 40 CFR 262.34(c)(2) [Note: If this satellite container violation is cited, do not cite storage container violations (weekly inspections and accumulation start date) for the same containers.]			
23.	Is the accumulation start date marked on each storage container? 40 CFR 262.34(a)(2)		\boxtimes	
24.	Is each container clearly marked with the words "Hazardous Waste"? 40 CFR 262.34(a)(3) [storage] or KAR 28-31-262(c)(7) [SAA]	\boxtimes		
25.	Are all containers holding hazardous waste in good condition? 40 CFR 265.171	\boxtimes		
26.	Are all containers holding hazardous waste compatible with the contents? 40 CFR 265.172	\bowtie		
27.	Are all containers holding hazardous waste closed except when necessary to add or remove waste? 40 CFR 265.173(a)			7
28.	Does the <u>CESQG</u> or <u>KSQG</u> conduct inspections at least every 31 days looking for signs of deterioration and leaks in containers in <u>storage</u> ? KAR 28-31-262a(f)(2)(A) [CESQG] or KAR 28-31-262a(e)(2) [KSQG] Or		\boxtimes	
	Does the <u>SQG</u> or <u>LQG</u> conduct weekly inspections of areas where containers are stored for signs of leakage and/or deterioration caused by corrosion or other factors? 40 CFR 265.174			8
29.	If the answer to question 28 was yes, are these inspections documented in a log that Includes complete date and time of inspection, name of inspector, notations of observations, and date and nature of remedial actions? 40 CFR 265.15(d)			9

			YES NO N/			
30 .	 Incompatible wastes: a. If incompatible wastes or incompatible wastes and materials were placed in the same container, were the requirements of 40 CFR 265.17(b) complied with? 40 CFR 265.177(a) b. If hazardous waste was placed in an unwashed container that previously held incompatible waste or material, were the requirements of 40 CFR 265.17(b) complied with? 40 CFR 265.177(b) c. If storage containers of hazardous waste are incompatible with any waste or other materials stored nearby, are the containers separated from the other materials by means of a dike, berm, wall or other means? 40 CFR 265.177(c) 			\boxtimes		
				\boxtimes		
				\boxtimes		
31.	Are <u>storage</u> containers holding ignitable or reactive waste(s) located at least 50 feet (15 meters) from the generator's property line? (<u>LQG Only</u>) 40 CFR 265.176			\boxtimes		
32.	Are storage containers currently meeting all AA, BB, and CC requirements (LQG Only) 40 CFR 265.178			\boxtimes		
33.	If the CESQG or KSQG is accumulating (including SAAs) 2,200 lbs (1,000 kgs) or more of hazardous waste, check yes and continue with SQG generator requirements.			\boxtimes		
34.	If the CESQG or KSQG or SQG is accumulating (including SAAs) 2.2 lbs (1 kgs) or more of acutely hazardous waste, check yes and continue with LQG generator requirements.					
	(if Accumulating CESQG, <2,200 ibs, stop here)					
35.	Is the SQG storing 13,200 lbs (6,000 kgs) or less of hazardous waste for 180 days or less (270 days if transporting waste more than 200 highway miles)? 40 CFR 262.34(d)			\boxtimes		
36.	Is the LQG storing hazardous waste for 90 days or less? 40 CFR 262.34(a)			\boxtimes		
REPORTING AND RECORDKEEPING						
37.	Has the generator (KSQG, SQG, and LQG) submitted an annual monitoring fee and report to KDHE indicating their current generator status on a form provided by the department? (LQGs are required to pay the annual fee every year, but this report is only required to be submitted in the odd years when the biennial report is not submitted.)	\boxtimes				
	KAR 28-31-262a(b) (if neither report nor fee were submitted) KAR 28-31-10(a) (if only fee is missing)					
38.	If yes to number 37, was a copy of the report kept for a minimum of 3 years after the date of the signature on the report? KAR 28-31-262a(b)(4)	\boxtimes				
39.	Has the LQG submitted biennial report(s) to KDHE by March 1 of even years? 40 CFR 262.41(a) a. Does the LQG retain a copy of the biennial report for three years? 40 CFR 262.40(b)			\boxtimes		
·40.	If the generator has exported/imported hazardous waste to/from a foreign source, did they comply with the requirements of 40 CFR 262.53(a), 40 CFR 262.54, and/or 40 CFR 262.60(a)?			\boxtimes		

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If hazardous waste was exported or imported to/from a foreign source, please describe under "additional information".

EN	/IERG	ENCY PREPAREDNESS AND TRAINING REQUIREMENTS FOR KSQGs AND SQGs				
			YES	NO	NA	V#
if th	e KSC	QG or SQG is not accumulating hazardous waste on-site, skip to question 47.				
41.	and	the KSQG or SQG designated at least one employee as an emergency coordinator are they on the premises or available to respond to an emergency by reaching the ty within a short period of time (30 minutes)? 40 CFR 262.34(d)(5)(i)	\boxtimes			
42.		e emergency coordinator or his/her designee prepared to respond to emergencies (fires, spills, or releases) that arise? 40 CFR 262.34(d)(5)(iv)				
43.	with (Note	e following information posted next to at least one telephone which is accessible little or no delay in an emergency? 40 CFR 262.34(d)(5)(ii) e: cite 262.34(d)(5)(ii) if no information is posted.)		⊠		10
	a. b.	Name and telephone number of emergency coordinator(s)? 40 CFR 262.34(d)(5)(ii)(A) Location of fire extinguishers and spill-control material, and if available, fire alarms?			\boxtimes	
		40 CFR 262.34(d)(5)(ii)(B)			\boxtimes	
	C.	Telephone number of fire department unless facility has a direct alarm (911 is acceptable)? 40 CFR 262.34(d)(5)(ii)(C)			\boxtimes	
44.	lf the a. b.	e facility has no telephone (land line), and relies soley on cell phones: Is the information required in 43a through 43c posted on wall so that it can be readily seen by employees? KAR 28-31-262(c)(8) Have the phone numbers required in 42a and 42c been programmed into the cell phones of management personnel? KAR 28-31-262(c)(8)			\boxtimes	
45.	meet	the KSQG or SQG established a hazardous waste management training program ting the requirements of 40 CFR 262.34(d)(5)(iii)?				
	KAR a.	28-31-262a(d)(1) (SQG) or KAR 28-31-262a(e)(4) (KSQG) Are new personnel trained within six months after their employment or placement to a new position? KAR 28-31-262a(d)(1)(A) (SQG) or		\boxtimes		11
	L.	KAR 28-31-262a(e)(4)(A) (KSQG)			\boxtimes	
	b. с.	After initial training, are employees trained on an annual basis? KAR 28-31-262a(d)(1)(B) (SQG) or KAR 28-31-262a(e)(4)(B) (KSQG) Was a record kept of the name of each employee trained, the date of the training,			\boxtimes	
	_	and the topics covered in the training KAR 28-31-262a(d)(1)(C) (SQG) or KAR 28-31-262a(e)(4)(C) (KSQG)			\boxtimes	
	d.	Was the record of training kept for three years from the date of the training? KAR 28-31-262a(d)(1)(D) (SQG) or KAR 28-31-262a(e)(4)(D) (KSQG)			\boxtimes	
	е.	If the KSQG or SQG relies on cell phones, have employees managing hazardous waste been trained on the locations of these postings? KAR 28-31-262(c)(8)			\boxtimes	

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PI	ERSO	DNNEL TRAINING FOR LQGs			
			YES NO	NA	V#
46.	40 C	s the LQG established a hazardous waste management training program? CFR 265.16(a)(1)		\boxtimes	
	а.	Is the program directed by a person trained in hazardous waste management? 40 CFR 265.16(a)(2)		\boxtimes	
	b. с.	Are new personnel trained within six months after their employment or placement to a new position? 40 CFR 265.16(b) Are new employees supervised until training is completed? 40 CFR 265.16(b)		XX	

	e. Do	er initial training, are employees trained on an annual basis? 40 CFR 265.16(c) es the generator maintain the following documents and records: 40 CFR 265.16(d) Job title for each position related to hazardous waste management and the			NA XX XX	V#
	2.	name of the employee filling each job? 40 CFR 265.16(d)(1) Written job description for each position? 40 CFR 265.16(d)(2) Description of type and amount of both introductory and continuing training to be			\boxtimes	
		given to each person? 40 CFR 265.16(d)(3)			\boxtimes	
•	4.	Records of training or job experience completed by facility personnel? 40 CFR 265.16(d)(4)			\boxtimes	
	5.	Are training records kept until closure of the facility (for current employees) and for three years from last date of employment (past employees)? 40 CFR 265.16(e)			\boxtimes	
.W	ANIFEST	REQUIREMENTS				
47.		actual agreement is used in place of manifesting, (KSQG and SQG only)				
		es the contractual agreement include the type of waste and frequency		_	57	
		shipments? 40 CFR 262.20(e)(1)(i)			\boxtimes	
		he vehicle used to transport the waste owned and operated by the laimer of the waste? 40 CFR 262.20(e)(1)(ii)	Ē			
		a copy of the agreement kept for a period of at least three years after				
		mination of agreement? 40 CFR 262.20(e)(2)			\boxtimes	
48.	If require	d, is a hazardous waste manifest used? 40 CFR 262.20(a)	\boxtimes			
49.		number 48, does the manifest include the following (numbers correspond to				
	the appro	opriate section of the manifest)? 40 CFR 262.20(a)	_	-	_	
	1.	Generator EPA identification number (12-digit)	Ц	M	Ц	12
	2.	Number of pages?	Ц	× ×	Ц	13
	3.	Emergency response phone number?	X			
		(may be entered after manifest item 9b only if different emergency response number(s) applies to different wastes on the manifest)				
	4.	Manifest Tracking Number (must be pre-printed)				
	5.	Generator's name, mailing address, phone number, and site address	X	Н	Н	
	6.	Transporter 1 company name and EPA ID number	X	П	П	
	7.	Transporter 2 company name and EPA ID number	$\overline{\boxtimes}$		\square	
		a. If more than 2 transporters were used, was a continuation sheet used?	XXXXXXX			
	8.	Designated facility name, site address, phone number, and EPA ID number?	\boxtimes			
	9.	US DOT description (including proper shipping name, hazardous class	577	_		
		or division, ID number, and packing group)	\boxtimes		\Box	
		9a. If hazardous and non-hazardous materials/wastes are listed on separate lines in Item 9b, is an "v" marked in item 9a payt to the corresponding				
		lines in Item 9b, is an "x" marked in item 9a next to the corresponding hazardous materials/wastes?				
	10.		X	Н	H	
	10.		X	Η	Н	
	12.		\boxtimes	H	Н	
	13.			M	Ħ	14
	14.		$\overline{\boxtimes}$	٣,	Π	- •
	15.		XXXXXXXX		\Box	
	16.	• • • •	\boxtimes			
		If yes, did the primary exporter comply with all applicable requirements?	\boxtimes			
	17.	Printed name, signature and dates received by transporter 1?	\boxtimes			
	18.	Printed name, signature and date received by transporter 2?	\boxtimes			
•		6				

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		YES	NO	NA V	V#
·50.	Does the generator retain a copy of each initial manifest signed and dated by both generator and initial transporter until the copy signed and dated by the designated facility is received? 40 CFR 262.40(a)	\boxtimes			
51.	Does the generator retain a copy of each manifest for three years that was signed and dated by a representative of the designated facility? 40 CFR 262.40(a)		\boxtimes		15
52.	If the LQG did not receive a copy of the manifest within 35 days that had been signed by the designated facility, did they contact the transporter and/or designated facility to determine the status of their hazardous waste? 40 CFR 262.42(a)(1) a. If the LQG was unable to locate their waste through contact with the transporter				
	and/or designated facility, and still had not received a copy of the manifest within 45 day. did they file an exception report with KDHE? 40 CFR 262.42(a)(2)	s □		\boxtimes	
53.	If the KSQG or SQG did not receive a copy of the manifest within 60 days that had been signed by the designated facility, did they submit to KDHE a legible copy of the manifest with an explanation of the situation? 40 CFR 262.42(b)				
LA	ND DISPOSAL RESTRICTION REQUIREMENTS				
54.	If the generator's waste is not subject to the Land Disposal Restrictions regulations,	YES	NO	NA	V#
•	please explain why:	-			
55.	If the SQG or LQG sent waste meeting or not meeting the treatment standards to an off-site T did the generator provide a one-time written notice for each different waste stream?	SDF,			
	40 CFR 268.7(a)(2) (not meeting treatment standards) or	\boxtimes			16
	40 CFR 268.7(a)(3) (meeting treatment standards)	\Box		\boxtimes	
	a. Did the notice include the following (mark each that it includes):				
	EPA hazardous waste numbers (waste codes);				
	manifest number for first shipment of waste;				
	Constituents of concern for F001-F005, F039, and underlying hazardous				
	Constituents in characteristic wastes (unless the waste will be treated and manifered for all constituents. If all constituents will be treated and manifered				
	monitored for all constituents. If all constituents will be treated and monitored, there is no need to put them all on the LDR notice)				
	applicable wastewater or non-wastewater category and subdivisions				
	waste analysis data (if available)				
	b. If the generator chose not to make the determination of whether his/her waste must be treated, did he/she provide a one-time written notice that includes EPA hazardous waste numbers (waste codes); manifest number of the first shipment; and states "This hazardous waste may or may not be subject to the LDR treatment standards. The				
	treatment facility must make the determination."? 40 CFR 268.7(a)(2)	Π	Π	\boxtimes	
	c. If the waste met the treatment standards, did the notice include the required		_		
	certification statement? 40 CFR 268.7(a)(3)			\boxtimes	
·56.	If the KSQG, SQG, or LQG treated waste in tanks or containers to meet applicable treatment	stand	ards	:	
	a. Did the generator have a written waste analysis plan on-site describing procedures				
	used to comply with the treatment standards? 40 CFR 268.7(a)(5)			\boxtimes	
	used to comply with the treatment standards? 40 CFR 268.7(a)(5) b. If the generator sent the treated waste off-site, did the generator provide a notice			X	
	used to comply with the treatment standards? 40 CFR 268.7(a)(5)			\boxtimes	

		YES NO NA V#
57 .	Has the SQG or LQG retained copies of all notices, certifications, waste analysis data, and other documents for at least 3 years from the last date the corresponding	
	waste was last managed on-site or shipped off-site? 40 CFR 268.7(a)(8)	

58.	If the SQG or LQG is managing a labpack and using with the initial shipment of waste the
	alternate treatment standards found at 40 CFR 268.42(c), did they provide a notice that
	includes the required certification statement? 40 CFR 268.7(a)(9)

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59. If the SQG or LQG claims that their characteristic waste, including all applicable underlying hazardous constituents, is no longer hazardous, does the generator maintain a current, signed, one-time notice in their files? **40 CFR 268.9(d)**

Note: If a generator-s waste is subject to any Land Disposal Restriction regulations not covered above, then please discuss these situations under "additional information".

P	REPAREDNESS AND PREVENTION REQUIREMENTS				
<u> </u>		YES	NO	NA	』 ↓ V#
60.	Has the generator maintained and operated the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents? 40 CFR 265.31	\boxtimes			
61.	<u>If appropriate</u> , based upon the nature and quantity of each waste generated and stored at the facility, is the facility equipped with:				
	 a. Internal communications or alarm system easily accessible in case of emergency? 40 CFR 265.32(a) 				
	from local police departments, fire departments, or State or local emergency response teams? 40 CFR 265.32(b)	\boxtimes			
	 Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment? 40 CFR 265.32(c) 	\boxtimes			
	 Water of adequate volume and pressure to supply hose streams, or foam producing equipment, automatic sprinklers, or water spray systems? 40 CFR 265.32(d) 	\boxtimes			
62.	Is the equipment (60a-60c above) tested and maintained to ensure its proper operation? 40 CFR 265.33	\boxtimes			
63.	Do personnel have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee, when handling hazardous waste (unless such a device is not required under (40 CFR 265.32)? 40 CFR 265.34(a) and/or 40 CFR 265.34(b)				
64.	Does a check of the facility show sufficient aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment, unless aisle space is not needed for any of these purposes? 40 CFR 265.35	\boxtimes			

65.	As appropriate, for each type of waste handled, has the generator attempted to make the
	following arrangements:

- a. Familiarized the local emergency authorities with the facility layout, properties and hazards of each waste handled, locations of workers, entrances to facility roads, and possible evacuation routes? 40 CFR 265.37(a)(1)
- b. Designated one authority where more than one police or fire department might respond to an emergency? 40 CFR 265.37(a)(2)
- c. Made agreements with state emergency response teams, emergency response contractors, and equipment suppliers? 40 CFR 265.37(a)(3)
- d. Familiarized local hospitals with the properties of hazardous waste handled and types of injuries or illnesses which could result from fires, explosions, or releases at the facility? 40 CFR 265.37(a)(4)
- 66. In cases where state or local authorities decline to enter into such arrangements, is the refusal documented? 40 CFR 265.37(b)

(If KSQG or SQG, stop here)

 \boxtimes

 \boxtimes

 \boxtimes

_		YES	S NO	N/
	is the generator have a contingency plan? 40 CFR 265.51(a)			
If ye				
a .	Does the plan list the name, home address, and phone numbers (home and office)			
	of each designated emergency coordinator in the order in which they should be			
b.	contacted? 40 CFR 265.52(d) Is an emergency coordinator available at all times? 40 CFR 265.55	H	Н	
и. С.	Does the plan describe emergency actions facility personnel must take to			
υ.	respond to fires, explosions, or releases of hazardous waste or hazardous			
	constituents? 40 CFR 265.52(a)			Γ
d.	Does the plan describe arrangements made with police, fire departments, hospitals,			
	contractors, or any emergency response agency? 40 CFR 265.52(c)			C
e.	Does the plan include an up to date list of all emergency equipment at the facility, its			
	location, a physical description of each item on the list, and a brief outline of the	_	_	
_	capabilities of each item? 40 CFR 265.52(e)			L
f.	Does the plan include an evacuation plan for facility personnel that describes signals	L		
	to be used and evacuation routes? 40 CFR 265.52(f)			Ĺ
g.	Has the plan been amended, if the following occurred: 40 CFR 265.54 1. Applicable regulations were revised? 40 CFR 265.54(a)	П		F
	 Applicable regulations were revised? 40 CFR 265.54(a) The plan failed in an emergency? 40 CFR 265.54(b) 	H	H	
	3. There is an applicable change to the facility? 40 CFR 265.54(c)	H	Н	F
	4. The list of emergency coordinators changes? 40 CFR 265.54(d)	Н	Н	Ē
	5. The list of emergency equipment changes? 40 CFR 265.54(e)	П	П	
h.	Is a copy of the plan and any revisions maintained at the facility? 40 CFR 265.53(a)		\Box	
i.	Have copies of the plan and any revisions been provided to the police and fire			
	departments, hospitals, and any emergency response agency that may respond to		_	_
_	an emergency? 40 CFR 265.53(b)		\Box	
j.	If implementation of the plan has been required at the facility, did the generator			
	submit a written report on the incident to the KDHE within 15 days after the incident?			<u> </u>
	40 CFR 265.56(i)		Ш	

V# = Violation Number Checklist Revised July 12, 2011

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Division of Environment Bureau of Environmental Field Services Northeast District Office 800 West 24 Street Lawrence, KS 66046

Robert Moser, MD, Secretary



Phone: 785-842-4600 Fax: 785-842-3537 www.kdheks.gov

Department of Health & Environment

Sam Brownback, Governor

Notice of Defficiency March 14, 2012

Steve Wood Great Western Manufacturing Co., Inc. 2017 South 4th Street Leavenworth, KS 66048-3928

RE: Hazardous Waste Compliance Assistance Visit, Great Western Mfg. Co., Inc., EPAID: KSD007136872, Leavenworth County, Kansas

Dear Mr. Wood,

On March 7, 2012, I conducted a compliance assistance visit (CAV) at the above referenced facility to determine compliance with Kansas Administrative Regulations (KAR) and Kansas Statutes Annotated (KSA). This visit was conducted under the authority of the CAV agreement entered into on October 18, 2011. As a result of the visit, 16 deficiencies were observed as follows:

Defficiency 1 - Unlawful disposal of hazardous waste, in violation of KSA 65-3441(a)(1).

- Paint booth filters During my inspection, facility personnel stated that they clean paint guns in the paint booths by spraying solvents through the guns in the paint booth allowing the filters to catch the waste solvent. Solvents used for cleaning paint guns contained regulated amounts of methyl ethyl ketone, toluene, xylene, methanol and acetone. These solvent make the paint booth filters hazardous waste and must be managed as such. Facility personnel stated that paint booth filters are disposed of in the regular trash. In the future, if the same solvents are used, paint guns should be cleaned into a container managed as a hazardous waste container, or the paint booth filters must be managed as hazardous waste.
- Solvent contaminated paper wipes Paper wipes are being used to clean glue in the wood assembly area with Sta'-Put ST172 thinner. This solvent contains regulated amounts of methylene chloride and trichloroethylene. The wipes are considered hazardous and must be managed appropriately, as discussed during the visit.

Deficiency 2 - Failure to determine, as required by 40 CFR 262.11.

The facility is disposing of waste from two blast cabinets in the regular trash. According to facility personnel, the waste from these blast cabinets has not been analyzed for heavy metals to make an accurate waste determination. The facility must sample waste from each blast cabinet separately. The samples should be tested for RCRA heavy metals. The waste does not need to be tested for mercury. The facility should have a toxicity characteristic leaching procedure (TCLP) test conducted on each sample to determine if the waste is hazardous or not. Results from the analysis should be submitted with the facility's response.

Deficiency 3 – Failure to maintain written waste determinations, as required by 40 CFR 262.40(c).

The facility must maintain a written waste determination for all wastes streams that are potentially hazardous. At the time of inspection, the facility did not have written waste determinations for all waste streams.

Deficiency 4 – Failure to label two containers of universal waste with the proper label, as required by 40 CFR 273.14(e).

At the time of inspection, there were two containers, one box and one light tube, that contained waste fluorescent lamps and were not labeled. Containers of waste lamps that are being managed as universal waste must be labeled "Universal Waste Lamps", "Waste Lamps" or "Used Lamps".

Deficiency 5 – Failure to close one container of universal waste, except when adding or removing waste, as required by 40 CFR 273.13(d)(1).

One box of universal waste lamps was not closed at the time of inspection. Waste lamps were not being added or removed at the time of inspection. All containers of universal waste must retain closed at all times except when adding or removing waste.

Deficiency 6 – Failure to train employees on proper management of universal waste, as required by 40 CFR 273.16.

Facility personnel stated that no training has been conducted addressing the proper management of universal waste. Also, facility personnel stated they did not know that the containers must be closed and did not know what type of label was required on the containers.

Deficiency 7 – Failure to keep all containers of hazardous waste closed at all times except when adding or removing waste, as required by 40 CFR 265.173(a).

One 55-gallon container of hazardous paint waste had a funnel that did not attach to the drum or latch closed with a seal. To meet the state's requirements for a closed container, if using a funnel, the funnel must screw into the bung hole of the drum and must latch closed in a manner that keeps the waste from volatilizing and spilling out if the container is knocked over.

Deficiency 8 – Failure to conduct weekly inspection of hazardous waste storage areas, as required by 40 CFR 265.174.

The facility is conducting monthly inspections of hazardous waste storage containers, but not weekly inspections. As a small quantity generator (SQG) of hazardous waste, the facility must conduct these inspections weekly.

Deficiency 9 – Failure to include time of inspection on the hazardous waste storage container inspection log, as required by 40 CFR 265.15(d).

The facility's weekly inspection log must include complete date and time of inspection, name of inspector (no initials), notations and observations, and date and nature of remedial actions. The facility's inspection log was missing the time of inspection.

Deficiency 10 - Failure to post emergency information, as required by 40 CFR 262.34(d)(5)(ii).

The facility must post, next to at least one telephone which is accessible with little or no delay, the name and telephone number of emergency coordinator(s), location of fire extinguishers, spill control material, and if available, fire alarms, and the telephone number of the fire department unless the facility has a direct alarm (911 is acceptable). If the facility relies solely on cell phones, the information still must be posted, and all posted phone numbers must be programmed into the cell phones.

Deficiency 11 – Failure to establish a hazardous waste training program, as required by KAR 28-31-262a(d)(1).

Facility personnel stated that a hazardous waste training program has not been established. The facility must establish a hazardous waste training program that meets the requirements of 40 CFR 262.34(d)(5)(iii).

The employees must be trained within six months of employment and then on an annual basis after that. A record of the training must be kept of each employee trained, the date of training and the topics covered, for a minimum of three years from the date of training. If the facility relies on cell phones, the training must include the location of the emergency postings.

Deficiency 12 - Wrong EPAID number on manifest, in violation of 40 CFR 262.20(a).

Manifest number 001464373 GBF contained the EPAID # KSD000136872. The facility's EPAID # is KSD007136872. The facility should contact their waste vendor and ensure that the correct number is used in the future.

Deficiency 13 – Failure to include correct page number on multiple manifests, as required by 40 CFR 262.20(a).

During my record review I observed multiple manifests that included a rider manifest (second page) used solely for extra transporters. The first page of these manifests were not corrected to indicate that a second page was used. The facility should contact their waste vendor and ensure that all corrections are made to manifest as required in the future.

Deficiency 14 - Failure to include waste codes on manifests, as required by 40 CFR 262.20(a).

The facility must list up to six waste codes that describe the waste being shipped. My inspection showed that the facility's waste paint related material carries waste codes D001, F002, F003, F005, D035 at a minimum. The facility's manifests show the waste to carry waste codes F003, F005, D007 and D008. During my record review, facility personnel provided me with analytical results that showed the waste does not contain regulated levels of heavy metals, thus waste codes D007 and D008 do not need to be included on the waste manifest. The facility should contact their waste vendor to ensure that the proper waste codes are included on all future hazardous waste shipments.

Deficiency 15 – Failure to retain a copy of the manifest signed and dated by the designated facility, as required by CFR 262.40(a)

The facility must retain a copy of each initial manifest signed and dated by both the generator and the initial transporter until a copy signed and dated by the designated facility is received. Once the copy is received from the designated facility, it must be retained for three years from the date of shipment.

Deficiency 16 – Failure to include manifest number, waste codes and constituents of concern on the land disposal restriction notification form, as required by 40 CFR 268.7(a)(2).

The facility must provide a one-time written notice for each waste stream to the off-site treatment, storage, disposal facility (TSDF) that receives the facilities waste. This notification must include the EPA hazardous waste numbers (waste codes), manifest number for the shipment of waste that the notice was shipped with, constituents of concern for F001-F005, F039 and underlying hazardous constituents in characteristic wastes, applicable wastewater or non-wastewater category and subdivisions and waste analysis data (if available). The facility had multiple LDRs for the waste paint related material waste stream. None of the LDRs included the proper waste codes as discussed in deficiency 14 or a manifest number. Also, the list of constituents of concerns did not include methylene chloride or trichloroethylene. The facility should contact their waste vendor and ensure that a proper LDR is sent with the next manifest to the TSDF. This LDR can be used to replace past LDRs that are on-site. The LDR must be retained for three years after the last time the waste is generated.

This notice is provided to call immediate attention to those areas of non-compliance. This notice does not constitute a compliance order issued by KDHE and may not be a complete listing of all violations which may be identified as a result of this inspection. You must submit in writing by April 16, 2012, all requested materials

Your cooperation with the waste management program is appreciated. If you have questions concerning this letter, please call me.

Respectfully,

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Brian D'Alfonso Waste Management Program Northeast District Office Bureau of Environmental Field Services cc: Jim Rudeen, BWM; Rebecca Wenner, BWM; NEDO file

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WASTE STREAM TABLE

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(List all hazardous wastes first, followed by solid wastes.)

Waste Description or Process	Waste Type (HW, SW, UW, UO, EX, ND)	Gen Fre- quen- cy* (R, NR, OT)	lf HW, list all codes	Waste Det. Method (PK, AD, or ND)	Waste Amoun Per Me		Waste Amount Presently in Storage	Oldest Accumulation Start Date	Present Waste Disposal Location (list name of destination facility and if not clear, put type of facility (MSWLF, TSDF, WWTF, etc.)	Attachment # if attaching documents partinent to this waste stream
					Amount	Units				
Paint Waste	HW	R	D001, F003, F005, D007, D008	PK	200	Lbs	None	NA	Heritage Crystal Clean (HCC)	3,5
Waste Acetone	НW	NR	D001, F003	PK	50	Gal	None	NA	HCC	
Paint Booth Filters	HW	R	F003, F005	ND	20	Lbs	None	NA	Regular Trash	4
Solvent Contaminated Paper Wipes	нw	R	F002	ND	<5	Lbs	None	NA -	Regular Trash	3,5
Glass Bead Sand Blast Waste	ND	R	ND	ND	50	Lbs	None	NA	Regular Trash	
Garnett Bead Sand Blast Waste	ND	R	ND	ND	50	Lbs	None	NA	Regular Trash	
Used Oil	EX	R	NA	PK	10	Gal	70 Gal	NA	HCC	
Used Antifreeze	EX	R	NA	PK	<5	Gal	15 Gal	NA	HCC	
Waste Lamps	UW	R	NA	PK	10	Lamps	~30 Lamps	None	НСС	
Scrap Metal	EX	Ŕ	NA	РК	ND	ND	ND	None	Best Price	
Sawdust	EX	R	NA	РК	ND	ND	ND	None	Local Farmer for Animal Bedding	······
Waste Wood	EX	R	NA	РК	ND	ND	ND	None	Regular Trash	

WASTE STREAM TABLE

Waste Description or Process	Waste Type (HW, SW, UW, UO, EX, ND)	Gen Fre- quen- cy* (R, NR, OT)	lf HW, list all codes	Waste Det. Method (PK, AD, or ND)	Waste Amoun Per Mo		Waste Amount Presently in Storage	Oldest Accumulation Start Date	Present Waste Disposal Location (list name of destination facility and if not clear, put type of facility (MSWLF, TSDF, WWTF, etc.)	Attachment # if attaching documents pertinent to this waste stream
					Amount	Units				
Cardboard	EX	R	None	PK	ND	ND	ND	NA	Recycled Deffenbaugh	
Regular Trash	SW	R	None	PK	ND	ND	ND	NA	LV Cnty Transfer Station – Hamm's	
Parts Washer	EX	R	None	PK	30	Gal	None	NA	HCC – CUP Quarterly Service	

HW = Hazardous Waste

- SW = Solid Waste
- UW = Universal Waste
- UO = Used OI EX = Exempt (includes CUP, laundered rags, etc.) ND = Not Determined

R = Routine

R = Routine NR = Non-routine, episodic, occasional OT = One-time PK = Process Knowledge AD = Analytical Data * How frequently is the waste stream generated (routinely, non-routinely, or one time)?

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COMPANY IDENTITY: CSD/STARTEX PRODUCT IDENTITY: SW1 LACQUER THINNER NEW MSDS DATE: 05/23/2002

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MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI 2400.1. THIS MEDE COMPLIES WITH 29 CVR 1910.1200 (HAZARD COMMUNICATION STANDARD) IMPORTANT: Read this MSDS before bandling & disposing of this product. Pass this information on to employees, customers, & users of this product.

. SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: SWI LACQUER THINNER COMPANY IDENTITY: CSD/STARTEX COMPANY ADDRESS: P O BOX 3087 COMPANY CITY: CONROE, TX 77305 1-936-756-1065 COMPANY PHONE: CHEMTREC PHONE: 1-800-424-9300

SECTION 2, COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 50-60% TOLUENE (109-88-3) [203-625-9],

10-20% LIGHT ALIPHATIC HOLVENT NAPHTHA (*64742-89-8), 10-15% ACETONE (67-64-1) [200-662-2], 5-10% ISOFROPANOL (67-63-0) [200-661-7]

0- 5% METHYL ETHYL KETONE (78-93-3) [201-159-0]

Number in parentheses is CAS #. number in brackets is European EC #.

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RIEK STATEMENTS:

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R12	Extremely	Flammable.

R18	In use, may form flammable/explosive vapor-air mixture.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R20/65	Marmful by inhalation, may cause lung damage if swallowed.

SAFETY STATEMENTS:

87	Keep container tightly closed.
89	Keep container in a well-ventilated place.
S1 5	Keep away from sources of ignition. No smoking.
5 29	Do not empty into drains.
s24/25	Avoid contact with skin and eyes.

COMPANY IDENTITY: CSD/STARTEX FRODUCT IDENTITY: SW1 LACQUER THINNER NEW MSDS DATE: 05/23/2002

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SECTION 4, FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with scap & water. Wash contaminated clothing before reuse.

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.

SWALLOWING:

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA NFFA CLass B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires. SPECIAL FIRE FIGHTING PROCEDURES Water spray may be ineffective on fire but dan protect fire-fighters

& cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear.

(Helmst with face shield, bunker coats, gloves & rubber boots). Use NIOSE approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

EXTREMELY FLAMMABLE !! VAPORS CAN CAUSE FLASE FIRE Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES

Stop spill at source. Dike area & contain.

CLEAN-UP PROCEDURES:

Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up. OTHER PRECAUTIONS Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. COMPANY IDENTITY: CSD/STARTEX PRODUCT IDENTITY: SW1 LACQUER THINNER NEW MSDS DATE: 05/23/2002 DATE: 05/23/02 PAGE 3 OF 7

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SECTION 7. HANDLING AND STORAGE

HANDLING

Isolate from exidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame out, saw, drill, braze, or weld. Kmpty container very hazardous! Continue all label precautions!

STORAGE

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Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. Do not store above 49 C/120 F. Store large amounts in structures made for OSHA Class I B liquids Kaep container tightly closed

a-upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

. EXFOSURE CONTROLS

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Use vapor, mist gas mask within use limits, or ventilate to keep vapors of this material below 40 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSE approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION

Local Erhaust Mrchanical (General) Spectal Other : Necessary : Acceptable : None : None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, aprom & footwear impervious to this material. Wash clothing before rouse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing. COMPANY IDENTITY: CSU/STARTEX PRODUCT IDENTITY: SW1 LACQUER THINNER NEW MSDS DATE: 05/23/2002

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SECTION 9. PHYSICAL DATA

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APPEARANCE : Liguid, Water-White ODOR : Ketone 56 99 122 C / 134 211 252 F BOILING RANGE ; AUTO IGNITION TEMPERATURE : 290 C / 555 F (Lowest Component) LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.6 FLASH POINT (TEST METHOD): -16 C / 2 F (TCC) (Lowest Component) FLAMMABILITY CLASSIFICATION: Class I B GRAVITY @ 60 F ; API : 39.7 SPECIFIC GRAVITY (Water-1) : .827 POUNDS/GALLON ; 6,886 VOC'S (>0.44 Lbs/Sq In) : 100.1 Vol. % / 827.5 g/L / 5.894 Lbs/Gal 826.7 g/L / 6.885 Lbs/Gal TOTAL VOC'S (TVOC) : 100.0 Vol. % / 85.0 Vol. % / 707.9 g/L / 5.896 Lbs/Gal NOMEXEMPT VOC'S (CVOC) : 518.8 g/L / 4.321 Lbs/Gal HAZARDOUS AIR FOLLUTANTS (HAPS) ; 62.8 Wt. % / VAPOR PRESSURE (mm of Hg)@20 C 60.7 NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 23.4 VAPOR DENSITY (airs1) : n an an an an 2.8 WATER ABSORPTION : Appreciable · · · ۰ . REFRACTIVE INDEX : 1.445 19 Q / 67 F MINED ANILINE POINT (Acid Insol): -----÷. • . . · .

SECTION 10. STABILITY & REACTIVITY

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STABILITY Stable

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CONDITIONS TO AVOID

Isolate from exidizers, heat, sparks, electric equipment & open flame.

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MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS Carbon Monorids, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSEA)	TLV (ACGIH) HAP
Toluene	108-88-3	200 ppm	50 ppm A4 Yes
Light Aliphatic Solvent Naphtha	*54742-89-8	500 ppm	300 ppm No
Acetone	67-64-1	1000 ppm	500 ppm A4 No
Isopropanol	· 67-63-0	400 ppm	200 ppm A4 No
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm Yes
In addition to EFA Basardous Air B			· · · · · · · · · · · ·
using manufacturers' data, based o	m EPA Method 31	11, the follow	ing EPA
Hazardous Air Follutants may be pr	resent in trace	amounts (less	than 0.1%):

Benzene, Mixed Xylenes, Ethylbenzene

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SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	Cas #	CEILING	STEL (OSHA/ACGIH)
Light Aliphatic Solvent Naphtha	*64742-89~8	None Known	5.3E3 ppm
Acetone	67-64-1	None Known	750 ppm
Isopropanol	67-63-0	None Known	400 ppm
Methyl Ethyl Katone	78-93-3	None Known	300 ppm

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic, Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vepor harmful. Breathing vapor can cause irritation. Adute overexposure can cause damage to kidneys, blood, nerves, liver & lungs. N. 1 • .

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SWALLOWING:

Harmful or fatal if swallowed. . Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

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SUBCHRONIC HAZARDS/CONDITIONS AGGREVATED.

CONDITIONS AGGREVATED

Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs, Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

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Leukenia been reported in humans from Benzene.

This product contains less than 188 ppm of Benzene.

Not considered hazardous in such low concentrations.

Absorption thru skin may be harmful. Studies with leboratory animals

indicate this product can cause demage to fetus.

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SECTION 12. ECOLOGICAL INFORMATION

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MAMMALIAN INFORMATION: MATERIAL CAS # LOWEST KNOWN LETHAL DOSE DATA LOWEST KNOWN LD50 (ORAL) 108-88-3 3000.0 mg/kg(Rats) Toluene LONEST KNOWN LC50 (VAPORS) Methyl Ethyl Ketone 78-93-3 2000 ppm (Rats) LOWEST KNOWN LD50 (SKIN) 108-88-3 4000.0 mg/kg (Rabbita) Toluene

AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is: Fish 1000 ppm or mg/L (24 hour exposure). Keep out of sewers and natural water supplies.

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MOBILITY

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This material is a mobile liquid.

DEGRADABILITY

This product is partially blodegradable.

ACCUMULATION

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This product does not accumulate or biomagnify in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Cart for the

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. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws.

If questions exist, contact the appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: Faint Related Material, 3, UN1263, PG-II DRUM LABEL: (PLANMABLE LIQUID) IATA / ICAO; Paint Related Material, 3, UN1263, PG-II INO / IMDG: Paint Related Material, 3, UN1263, PG-II EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

SECTION 15. REGULATORY INFORMATION

EPA REGULATION: SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list. SARA Title III Section 313 Supplier Notification This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CWR 372. This information must be included in all MSDSs that are copied and distributed for this material.

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SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA TITLE III INGREDIENTS	Cas#	WT.	% (REG. SECTION)	rq (lbs)
*Toluene	108-88-3	87	(311, 312, 313, RCRA)	1000
Light Aliphatic Solvent Naphtha	+64742-89-8	15	(311,312)	None
Agetone	67-64-1	14	(311, 312)	5000
Isopropanol	67-63-0	9	(311, 312)	None
*Nethyl Ethyl Ketone	78-93-3	< 5	(311,312,313,RCRA)	5000

IF > 1727 FOUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" OF TOLURNE IS EXCEEDED.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65; This product contains the following chemical known to the State of California to cause reproductive toxicity: Toluene

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries: بر يوني مين . Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA) : 1 HEALTH (HMIS) : 2 PLAMMABILITY: 3 REACTIVITY: Û

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

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Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

CERTIFICATE OF ANALYSIS

	· · · · · · · · · · · · · · · · · · ·			
Service Location		Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC		21-JUN-02		<u>A598206</u>
COMMERCIAL LABORATORY OPERATIONS		Complete	PO	Number
7901 W. MORRIS ST.		27-JUN-02		
INDIANAPOLIS, IN 46231	F	Printed	Sam	pled
(317)243-8304		27-JUN-02	16-MAY-0	02 15:00
Report To		Bill To		
DANIEL HANDSCHU	ACCOUNTS PA	YABLE		
HERITAGE ENVIRONMENTAL SERVICES, LLC			•	
7901 WEST MORRIS STREET	3970 WEST 10			
ANNEX BUILDING	INDIANAPOLIS			
	THETHNALOEIS	, 10 70622		
INDIANAPOLIS, IN 46231				
Donal a	Description			
CLIENT ID: PAINT BOOTH FILTERS	rescription			
	THENT			
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SE	DTHEN I			•
GENERATOR: GREAT WESTERN MFG.				
CC NUMBER: CC015051602A				
SALESPERSON: TERRI BAUGH				
Submitter Code :9018				
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A CARACTER AND A CARA				
TOX CHAR LEACHING PROCEDURE (TCLP METALS ONL				
Analyst: M. BONZALEZ			est: 9106:1.0	
Parameter	Result	D	et. Limit	Units
TOTAL SAMPLE WEIGHT	100.0			Grams
Parameter TOTAL SAMPLE WEIGHT LIQUID FRACTION (GRAMS)	100.0 NA			
LIQUID FRACTION (GRAMS)	NA 100.0			Grams
EXTRACTED SAMPLE	NA 100.0			Grams Grams Grams
ETQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS	NA 100.0 100			Grams Grams Grams Percent
EIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST	NA 100.0 100 YES			Grams Grams Grams Percent Passed
ETQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH	NA 100.0 100 YES 5.0			Grams Grams Grams Percent Passed Std. Unit
ETQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH	NA 100.0 100 YES 5.0 2.0			Grams Grams Percent Passed Std. Unit Std. Unit
ETQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH	NA 100.0 100 YES 5.0 2.0 4.95			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit
ETOULD FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH	NA 100.0 YES 5.0 2.0 4.95 5.0			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit
EIGUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION	NA 100.0 YES 5.0 2.0 4.95 5.0 2000			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit
EIDUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK)	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL
ETUUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 NA 2000			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 NA 2000			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL mL mL
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE AMBIENT TEMPERATURE	NA 100.0 JOD YES 5.0 2.0 4.95 5.0 2000 2000 NA 2000 23.4			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL mL mL mL Degrees C
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE AMBIENT TEMPERATURE INITIAL TIME	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 NA 2000 23.4 34322.5			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL mL Degrees C Hours
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE AMBIENT TEMPERATURE INITIAL TIME FINAL TIME	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 2000 NA 2000 23.4 34322.5 34338.8			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL mL Degrees C Hours
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE AMBIENT TEMPERATURE INITIAL TIME FINAL TIME FINAL TIME PHASE 0 VOLUME (REP 0)	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 2000 NA 2000 23.4 34322.5 34338.8 2000			Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL Degrees C Hours Hours mL
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE AMBIENT TEMPERATURE INITIAL TIME FINAL TIME PHASE 0 VOLUME (REP 0) PHASE 0 WEIGHT	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 2000 NA 2000 23.4 34322.5 34338.8 2000 NA			Grams Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit ML ML Degrees C Hours Hours ML Grams
LIQUID FRACTION (GRAMS) EXTRACTED SAMPLE SOLIDS 9.5 MM SIEVE TEST INITIAL PH ADJUSTED PH BUFFER SOLUTION PH FINAL PH VOLUME BUFFERED SOLUTION VOLUME BUFFERED SOLUTION VOLUME EXTRACT FILTERED VOLUME LIQUID (ADD BACK) TOTAL VOLUME FILTRATE AMBIENT TEMPERATURE INITIAL TIME FINAL TIME FINAL TIME PHASE 0 VOLUME (REP 0) PHASE 0 DENSITY	NA 100.0 YES 5.0 2.0 4.95 5.0 2000 2000 NA 2000 23.4 34322.5 34338.8 2000 NA NA NA			Grams Grams Grams Percent Passed Std. Unit Std. Unit Std. Unit Std. Unit mL mL mL Degrees C Hours Hours mL Grams g/mL
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HERITAGE ENVIRONMENTAL SERVICES, LLC	Sample ID: A59820	6 PAINT BOOTH FILTERS
Parameter INITIAL WEIGHT OR VOLUME FINAL WEIGHT OR VOLUME	Result 100 100	Det.Limit Units ML ML
TCLP BARIUM ICP SW846-60108 Abalysts U. KRAMER Abalysis Date: 27-JUN-02 06:25 Prep: FAA DR ICP ACID DICESTICN (LEACHATE) SW846-3010A P130.8.0 Preps TOK CHAR LEACHING PROCEDURE CTCLP HETALS DNLY) SW846-1311		NGLAC: Y: Test: M604.8.9
Parameter BARIUM DILUTION 1:5	Result BDL	Det.Limit Units 0.050 mg/L
TCLP CADMIUM ICP SW846-60108 Apalysts u. KRAMER Analysts Date: 27.000-02.06.25 Prop: FRA OR ICP ACTO DIGESTION (LEACHATE) SW846-3010A F130.8.0 Prop: TOX CHAR LEACHING PROCEDURE (TCLP METAUS ONLY) SW846-1311		NELAC Y
Perameter CADMIUM DILUTION 1:5	Result BDL	Det. Limit Units 0.025 mg/L
TCLP CHROMIUM ICP SW846-6010B Manatysts J. KRAMER Anatysts Date: 27-JUN-02:06825 Prep: FAA DR ICPIACID DECENTION (LEACHATE) SW846:3010A P130.8:0 Prep: TOX CHAR LEACHTNG PROCEDURE: CICLP: METALS ONLY), SW846-1311	: Instrument: ICP	NELAC:Y: Toatt X619.819
Parameter CHROMIUM DILUTION 1:5	Result BDL	Det. Limit Units 0.050 mg/L
TCLP LEAD ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 27 JUN 02 D6:25 Prep: FAA DB ICP ACID: DICESTION (LEACHATE) SW846-3010A P130.8.0 Prep: TOX CHAR LEACHING PROCEDURE (ICLP: METALS DALY) SW846-1311		NELAC :Y Tesa: M616:8:0
Parameter LEAD DILUTION 1:5	Result BDL	Det. Limit Units 0.050 mg/L
TCLP SILVER ICP SW846-6010B analyst: J. KRAMER Analysts Date: 27-JUN-02 06:25 Prep: FAA OR ICP ACID DIGESION (LEACHATE) SW846-30T0A:P130.8:0 Prep: FOX CHAR LEACHING PROCEDURE (TCLP METALS ONLY) SU846-7311		NELAC:Y Testi, Mo30,810
Parameter SILVER DILUTION 1:5	Result BDL	Det.Limit Units 0.050 mg/L
TCLP ARSENIC ICP SW846-501DB Amelyst: J. KRANER Anelysis Date: 27.JUN-02.05/25 Prep: FAA OR ICP ACTO DIGESTICA (LEACHATE) 50846-3010A P130.8.0 REPORTOR CHAR LEACHING PROCEDURE (TCLP METALS ONLY) 50846-1311	lijstříment: 1CP	NELAC:Y Test: MG03:8;0

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ERITAGE ENVIR	ONMENTAL SERVIC	ES, LLC	S	ample ID: A	598206	PAINT BOO	TH FILTERS
ARSENIC	Parameter		BDL	Result		Det. Limit 0.050	Units mg/L
DILUTION 1:5	<u> </u>			•• ~~			
TCLP SELENIUM	ICP 5W846-6010	B 15: Dete: 27:JUN-02:06:2	5 Ibb	Following UDD		Toote 467	NELACIY
Prep: FAA GR 1CP:A	CID DIGESTION (LEACHA	TE) :50846-3010A : P130.8.0 METALS: ONLY): S0846-1311				EDU. 944	
SELENIUM	Parameter		BDL	Result		Det. Limit 0.050	Units mg/L
DILUTION 1:5							
AERCURY CVAA	ACID DIGESTION	(LEACHATE) SW846-2	7470A				
Prepartox CHAR LEA	CHING PROCEDURE (TCLP	Gis Date: 25-JUN-02 16:D METALS ONLY) SU846-1311	P106.1.0				
INITIAL WEIGH FINAL VOLUME			4	Result		Det. Limit	Units mL
	CVAA SW846-7470	A		<u>.</u>			NELACNY
AGHLYSES N. HALL ICED: MERCURY CVAA	Analy ACID DIGESTION (LEAC	nis Deter 26-JUN-02-11:4 NATES SUBG6-7470A E131:9	.0			Test: MG2(
	CHIND PROCEDURE (TCLP Paremeter	METALS ONLY SUB46-1311		Result		Det. Limit	Units
MERCURY			I RDF		· <u>·</u> .	0.0020	mg/L
BDL Below Do VA Not App YES Yes	etection Limit licable	Sample Com			·		
Sample was not	t received on i	ce at temperature	23 C.				
		e reproduced, exce	eptin 1	Full,			
The sample res	ritten approval sults relate on ple as received	ly to the analytes	of int	terest test	ed		
leritage Envii	ronmental Servi	ces, LLC certifies Environmental Lab	that t	the test re Accredita	sults tion		
Conference) ac 111inois EPA H	ccredited (Yes i Part 186 unless	for NELAC) meet al otherwise explain	1 requi	irements of	NELAC		
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	number 100401. se Number AZ062)	7					

Approved : <u>P.Y. Spince OP</u>

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Page 3 (last page)

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MSDS Name: TACC N/F SOLVENT/THINNER ISDS Number: ST172

MSDS Last Updated: SEP-29-2000 Page Number: 1 of 5

Product Name:	TACC N/F SOLVENT/THINNER		•
CAS Number: Hazard Rating:	MIXTURE Health: 2 Fire: 1 Reacti	vity: 0 PPI: D	
Company Identification:	TACC AIR STATION INDUSTRIAL PAR ROCKLAND MA 02370	ĸ	
Telephone/Fax: Chemtrec (24 Hour):	(781) 878-7015 (781) 871-6 (800) 424-9300	727	
Trade Name: Product Code: DOT Hazard Class UN Number: Shipping Name: Packing Group:	TACC N/F SOLVENT/THINNER ST172 6.1 2810 TOXIC LIQUIDS, ORGANIC, NO III	S	
Contains:	(METHYLENE CHLORIDE, TRICH	LOROETHYLENE)	
SECTION II - HAZARDOUS			
Ingredient Name	CAS Number		TSCA
METHYLENE CHLORIDE	75~09-2	75-90	¥
TRICHLOROETHYLENE	79-01-6	10-30	Ч
			======
SECTION III - PHYSICAL D	ATA		======
SECTION III - PHYSICAL D			=======
SECTION III - PHYSICAL D Form: Boiling Range: Evaporation Rate:			== = = = = = :
SECTION III - PHYSICAL D Form: Boiling Range: Evaporation Rate:	ATA CLEAR, TYPICAL ODOR 104.°F - 189.°F Faster than n-Butyl Acetate 100.%		=======
SECTION III - PHYSICAL D	ATA CLEAR, TYPICAL ODOR 104.°F - 189.°F Faster than n-Butyl Acetate 100.% 100.%		= = = = = = = :

MSDS Name: TACC N/F SOLVENT/THINNER MSDS Number: ST172

 MSDS
 Last
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 SEP-29-2000

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 Number:
 2 of 5

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Max. VOC:

temperature.

201.3 g/L

SECTION IV - FIRE AND EXPLOSION HAZARD DANGER

Flammability Class:	IIIB
Flash Range:	Not Applicable
Explosive Range:	Not Applicable

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray or fog. SPECIAL FIREFIGHTING PROCEDURES: Avoid breathing smoke. Use air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts used. UNUSUAL FIRE & EXPLOSION HAZARDS: Container may vent and/or rupture due to fire. Although this material does not have a flash point, it can burn at room

SECTION V - HEALTH HAZARD DATA

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**PERMISSIBLE EXPOSURE LEVEL:** See Section VIII.

#### EFFECTS OF OVEREXPOSURE:

INHALATION: May cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing. Chronic effects of overexposure to solvent vapors could lead to permanent effects of the nervous system, body organs or the brain. Use with adequate ventilation. Loss of consciousness and death at 9000 ppm if exposure is prolonged. EYES: Irritation. SKIN: Removal of skin oils, irritation, dermatitis, even sensitization with long overexposure. INGESTION: May be harmful or fatal if swallowed. Chronic liver and kidney disease, chronic lung disease, anemia, coronary disease or heart disorders.

Methylene Chloride has been shown to cause cancer in certain laboratory animals. Repeated and/or prolonged exposure to high

MSDS Name: TACC N/F SOLVENT/THINNER MSDS Number: ST172

MSDS Last Updated: SEP-29-2000 Page Number: 3 of 5

concentrations has induced liver and kidney and possible cardiac toxicity in experimental animals.

#### FIRST AID:

INHALATION: Get fresh air, if necessary, call Physician. SKIN: Wash with mild soap and water, apply a mild cream. Eyes: Flush with water for at least 15 minutes. Ingestion: Call Poison Center immediately. NOTE TO PHYSICIAN: Adrenalin should never be given to person overexposed to methylene chloride!!!

#### SECTION VI - REACTIVITY DATA

#### INCOMPATIBILITY: Aluminum

CONDITIONS TO AVOID: Highly alkaline materials, i.e.; sodium hydroxide, aluminum. HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, Hydrogen Chloride and Phosgene

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Avoid breathing vapors. Contain spill if possible. Wipe up or absorb with suitable material and shovel up. Prevent entry into sewers and waterways. WASTE DISPOSAL METHOD: Liquid material is designated as hazardous waste until all solvents and vapors have evaporated. Dispose of in accordance with local, state and federal regulations.

| SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION |             |            |            |           |  |
|------------------------------------------------------|-------------|------------|------------|-----------|--|
| Occupational Exposure                                | Limits:     |            |            |           |  |
|                                                      | ACGIH TLV-C | ACGIH STEL | OSHA STEL  | OSHA PEL  |  |
| METHYLENE CHLORIDE                                   |             |            |            |           |  |
| 50,00 PPM                                            | N/est       | N/est      | 125.00 PPM | 25.00 PPM |  |
| -                                                    |             |            |            |           |  |

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| MSDS Name: TACC N/F SOLVENT/THINNER<br>MSDS Number: ST172                                                                                                                                                                                                                                                                                                                            |                                                                       |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|
| MSDS Last Updated: SEP-29-2000<br>Page Number: 4 of 5                                                                                                                                                                                                                                                                                                                                |                                                                       |                   |
| TRICHLOROETHYLENE<br>50.00 PPM N/est 10                                                                                                                                                                                                                                                                                                                                              | 0.00 PPM N/                                                           | est 100.00 PPM    |
| RESPIRATORY PROTECTION:<br>If vapors exceed PEL use self-contained m<br>NIOSH approved.<br>VENTILATION:<br>Sufficient to keep workroom concentration<br>PROTECTIVE GLOVES:<br>Chemical resistant gloves<br>EYE PROTECTION:<br>Safety glasses or face shield<br>OTHER PROTECTIVE EQUIPMENT:<br>Use chemical resistant apron or other clo<br>avoid repeated or prolonged skin contact. | below PEL.                                                            |                   |
| SECTION IX - SPECIAL PRECAUTIONS                                                                                                                                                                                                                                                                                                                                                     |                                                                       |                   |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND S<br>Keep container closed when not in use. S<br>degrees F out of sun. Use adequate venti<br>breathing vapors when cover removed. Do<br>are present.<br>OTHER PRECAUTIONS:<br>Vapors of this product are heavier than a<br>low areas. Do not weld or cut where vapo                                                                          | tore at 60-95<br>lation to avoid<br>not smoke when<br>ir and will col | vapors<br>lect in |
| SECTION X - ADDITIONAL REGULATORY I<br>-SARA TITLE III SECTION 313:<br>This product contains the following toxic<br>reporting requirements of Section 313 of<br>Community Right to Know Act of 1986 and o                                                                                                                                                                            | NFORMATION<br>chemicals subj<br>the Emergency F                       | ect to the        |
| Ingredient Name                                                                                                                                                                                                                                                                                                                                                                      | CAS Number                                                            | Percent           |
| METHYLENE CHLORIDE                                                                                                                                                                                                                                                                                                                                                                   | 75-09-2                                                               | 75-90             |
| TRICHLOROETHYLENE                                                                                                                                                                                                                                                                                                                                                                    | 79-01-6                                                               | 10-30             |
| -PROP 65 (CARCINOGEN)<br>WARNING: This product contains a chemical<br>California to cause cancer.                                                                                                                                                                                                                                                                                    | known to the s                                                        | tate of           |

MSDS Name: TACC N/F SOLVENT/THINNER MSDS Number: ST172

MSDS Last Updated: SEP-29-2000 Page Number: 5 of 5

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|----------------------------------------------|----------------|----------------------------|---------|
| Ingredient Name                              |                | CAS Number                 | Percent |
| METHYLENE CHLORIDE                           |                | 75-09-2                    | 75-90   |
| TRICHLOROETHYLENE                            | ć              | 79-01-6                    | 10-30   |
| The following ingredients<br>Ingredient Name | are registered | for TSCA 12B<br>CAS Number | Percent |
| TRICHLOROETHYLENE                            |                | 79-01-6                    | 10-30   |
|                                              |                |                            |         |

DISCLAIMER

\*\*\*\*\* NOTICE \*\*\*\*\*

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of TACC. The data on this sheet relates only to the specific material designated herein. TACC assumes no legal responsibility for use or reliance upon these data.

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#### GREAT WESTERN MFG. CO.

#### MONTHLY INSPECTION REPORT

| Date:       | 2.29-12 | Performed by: | Dung Price |
|-------------|---------|---------------|------------|
| Signature:_ | Deztke  |               | <b>ر</b>   |

**Check For:** Any discrepancies that have potential for pollution to storm water, including: leaks, improper containment, and changes in operations.

Areas To Be Checked (check mark indicated no problems):

- $\sqrt{}$  Each Building (both interior and exterior)
- Outdoor material storage (parts, scrap, etc.)
- Outdoor fluid storage (waste oil containers, etc.)
- Fueling or maintenance areas
- Equipment (both rolling and stationary)
- Structural Control Devices (dikes, berms, grading, vegetation, gravel/concrete, etc.)

Description of Discrepancy and Report of Repair:

| Discrepancy                         | Corrective Action | Date & Initials |
|-------------------------------------|-------------------|-----------------|
| Signs of leaks, spills, rubbish, or |                   |                 |
| debris                              |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
| Chemical Container Integrity        |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
| Storm Water Mgmt Devices            |                   |                 |
| Integrity                           |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
|                                     |                   |                 |
| Other Discrepancies Noted           |                   |                 |
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Still Remodeling North End

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|                     | too        | I RANSAS CITY Rout                                                                                                                                                                                                                                                                          | 91                            | .7P3                       |                                              | •                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2<br>Approved. OMB N                    | S                                            |  |  |
| Ple                 |            | Int or type. (Form designed for use on elite (12-pitch) typewriter.)                                                                                                                                                                                                                        | 2. Page * of                  | 3. Emergency Re<br>800 ~ A | sponse Phone                                 | 4. Manifes         | I Tracking Nur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | nber                                    |                                              |  |  |
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|                     | 5. Ge      | CHEGAT WESTERN MFG.                                                                                                                                                                                                                                                                         | (                             | Generator's Site A         | ddress (if different i                       | ihan mailing addre | 985)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |                                              |  |  |
|                     |            | 21917 S HTH ST                                                                                                                                                                                                                                                                              | 24                            |                            |                                              |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                              |  |  |
|                     |            | nator's Phone: LEAVENWORTH, KS GLOOH8                                                                                                                                                                                                                                                       |                               |                            |                                              | U.S. EPAID         | Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |                                              |  |  |
|                     | 1          | HERITAGE-CRYSTAL CLEAN, LLC                                                                                                                                                                                                                                                                 |                               |                            |                                              |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 01600                                   | o ié r                                       |  |  |
|                     | 7. Tra     | insporter 2 Compatity Name                                                                                                                                                                                                                                                                  |                               |                            |                                              |                    | U.S. EPA D Wumber 11 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                              |  |  |
|                     | 5          | signated Facility Name and Site Address                                                                                                                                                                                                                                                     |                               |                            | ·····                                        | U.S. EPA ID        | Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>n ( y</u>                            |                                              |  |  |
|                     |            | PETRO-CHEM PROCESSING GROUP<br>421 Lycaste                                                                                                                                                                                                                                                  |                               |                            |                                              | MI                 | 098                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0615                                    | 298                                          |  |  |
|                     |            | Detroit, MI 48214                                                                                                                                                                                                                                                                           |                               | (313                       | 824-384                                      | 10                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                              |  |  |
|                     | 98.        | Sb. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number                                                                                                                                                                                                           | r,                            | <u> </u>                   | Containers                                   | 11. Total          | 12. Unit 13. Waste Codes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |                                              |  |  |
|                     | нм         | And Packing Group (if any))                                                                                                                                                                                                                                                                 | 2 : 10                        | No.                        | Туре                                         | Quantity           | Wt.//oi.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |                                              |  |  |
| No.                 | X          | RQ, WATE PAINT RELATED MATERIAL<br>PG. 11 (FOUS, FOUS DOOT, DOOS) ERG                                                                                                                                                                                                                       | tj. 0011                      | 2 16.00                    | Dm                                           | 150                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 5 1207                                       |  |  |
| GENERATOR           | ĺ          | 2.                                                                                                                                                                                                                                                                                          | · · · · ·                     |                            |                                              | ļ                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2008                                    |                                              |  |  |
| 8                   |            |                                                                                                                                                                                                                                                                                             | •                             |                            |                                              |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                              |  |  |
|                     |            | 3.                                                                                                                                                                                                                                                                                          |                               |                            |                                              |                    | ╞                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | 1                                            |  |  |
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|                     |            | ,<br>,                                                                                                                                                                                                                                                                                      |                               |                            |                                              | L                  | ┦──┤                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |                                              |  |  |
|                     |            | 4.                                                                                                                                                                                                                                                                                          | •                             |                            |                                              |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 4                                            |  |  |
|                     | 14.6       | pectal Handling Instructions and Additional Information                                                                                                                                                                                                                                     |                               |                            |                                              | <b>I</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                              |  |  |
|                     |            | CW5. 74561-4 752-20072 4                                                                                                                                                                                                                                                                    | HCCAR                         | 40                         | 1600                                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | • •*                                    |                                              |  |  |
|                     |            | <b>*</b>                                                                                                                                                                                                                                                                                    |                               |                            |                                              |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1314                                    |                                              |  |  |
|                     |            | GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of th                                                                                                                                                                                                               |                               |                            |                                              |                    | hipping name,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | and are classified, pa                  |                                              |  |  |
|                     |            | marked and labelod/placarded, and are in all respects in proper condition for transport ad<br>Exporter, I certify that the conterns of this consignment conform to the terms of the atlach<br>I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a lat | ned EPA Acknowle              | dgment of Conse            | µt.]                                         | 2                  | a nexport snip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | menijeno i em ule pr                    | unary :                                      |  |  |
|                     |            | restury that the waste innunceation schemen in the upped in 40 CFR 202.27(a) (a) and a tail a tail a tail a tail                                                                                                                                                                            | ige doanaly gener<br>t- Signa |                            | I VI:                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Month Da                                |                                              |  |  |
| ł                   | X          | Intiational Stituments                                                                                                                                                                                                                                                                      |                               | <u>INK</u>                 | The                                          | 2l.                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 11 0                                    | 311                                          |  |  |
| NT'L                | 1          | sporter signature (for exports only):                                                                                                                                                                                                                                                       | Export from U.                | S. Põ<br>Da                | A of entry/axit:<br>to loaving U.S.:         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                              |  |  |
| TER                 | 17. Tr     | ansporter Acknowledgment of Receipt of Materials<br>porter 1 Printed/Typed Nama                                                                                                                                                                                                             | Signa                         |                            | ~                                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Month Da                                | iy Yoar                                      |  |  |
| TR ANSPORTER        |            | SEFE EARNEST                                                                                                                                                                                                                                                                                |                               | h                          | n                                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 3 1                                          |  |  |
| ANS                 | Trans      | porter 2 Brieled/Typed Name/AAAAAAA                                                                                                                                                                                                                                                         | Signa                         | sture /                    | Λ                                            | /                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Month Da                                | ay Year<br>I                                 |  |  |
| Ē                   |            | ICINA INTERPORT                                                                                                                                                                                                                                                                             |                               | N A THE                    | Lais Char                                    | Ver-               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 11 14                                   | 5 <del>1/-</del>                             |  |  |
|                     | 18a. (     | Discrepancy Indication Space                                                                                                                                                                                                                                                                |                               | - Resktu                   | 1000                                         | Partial Re         | jection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         | ejection                                     |  |  |
|                     |            | becare did not late - buis                                                                                                                                                                                                                                                                  | and It                        | -9-11<br>Manifest Ref      | erence Number:                               |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  |                                              |  |  |
| Ę                   | 185.7      | Atternate Facility (or Generator)                                                                                                                                                                                                                                                           |                               |                            |                                              | U.S. EPA ID        | Numbers 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0180                                    |                                              |  |  |
| FACI                | Facili     | y's Phone:                                                                                                                                                                                                                                                                                  |                               |                            |                                              | 1                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2011                                    |                                              |  |  |
| DESIGNATED FACILITY | 18c. 5     | Signature of Alternate Facility (or Generator)                                                                                                                                                                                                                                              |                               | ••••                       |                                              |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ENBAND                                  | ay Year                                      |  |  |
| ION                 | 19. H      | <br>azarrious Weste Report Management Melhod Codes (i.e., codes for hazardous waste fre                                                                                                                                                                                                     | stment, disposal.             | and recycling syst         | ems) -                                       |                    | A FOEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HELLER HIT                              | <u>}                                    </u> |  |  |
| DEG                 | 1.         | 2.                                                                                                                                                                                                                                                                                          | 3.                            |                            | ·····                                        | 4.                 | م مناللہ ہوتی<br>روچ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |                                              |  |  |
|                     | 20. D      | H H H H H H H H H H H H H H H H H H H                                                                                                                                                                                                                                                       | ared by the manife            | st except as noted         | l in Rem 18a                                 | <u>l</u>           | · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |                                              |  |  |
|                     | -          | d/Typed Name                                                                                                                                                                                                                                                                                | Signa                         |                            | ANA                                          | hal                | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Month, D                                |                                              |  |  |
| H<br>EPI            | <br>\ Form | 8700-22 (Rev. 3-05) Previous editions are obsolete.                                                                                                                                                                                                                                         |                               | >                          | <u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u> | -y-can             | ·····                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | /                                       | 4 1                                          |  |  |
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DESIGNATED FACILITY TO GENERATOR

| UNI   | Int or type. (Form designed for use on elite (12-pitch) typewriter.)<br>FORM HAZARDOUS WASTE MANIFEST (Continuation Sheet).<br>Senerator's Name Great Western MGT<br>2017 5, 44 h St<br>2017 5, 45 h St | 36872                                 | 22. Page                              | 23. Manif       | est Tracking Nu<br>2144 | mber                      | Approved. |             |        |
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| 24. 0 | Senerator's Name Great Western MGF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                     |                                       |                 |                         |                           |           | ·           |        |
|       | 2pins, 4th Jr<br>Louvenwach KS GEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18                                    |                                       |                 |                         |                           |           | •           |        |
| 25.   | Transporter Company Name MOLTLU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                                       |                 | U.S. EPAID              | Number                    | 105       | 727         | 15     |
| 26, 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       | · · · · · · · · · · · · · · · · · · · |                 | U.S. EPAID              | Number                    | 100       | 13.1        |        |
| 27a.  | ······································                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                       | ters            | 29. Total               | 30. Unit 31. Whethe Codes |           |             |        |
| HM    | and Packing Group (if any))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | · ·                                   | No.                                   | Туре            | Quantity                | Wt_Noi.                   | · 31. W   | laste Codes | i<br>  |
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EPA Form 8700-22A (Rev. 3-05) Previous editions are obscilete.

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D<br>18a.<br>18b.<br>18b.<br>18b.<br>18c.                              | GENERATOR'S/OFFEROR'S CE<br>marked and labeled/placarded. at<br>Exporter, I certify that the content<br>I certify that the waste infinitization<br>renator's/Offeror's Printed/Typed Name<br>Infernational Shipments [<br>Infernational Shipments] [<br>Infernational Shipments] [<br>Insporter signature (for exports only<br>Transporter Acknowledgment of Rec<br>isporter 1 Printed/Typed Name<br>Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IIICIS         ERTIFICATION: 1 hereby decks         and are in all respects in proper         s of this consignment conform         on statement identifier in 40 CF         Import to U.S.         i:         celbt of Materials         Quantity         Generator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | The that the contents<br>condition for transp<br>to the terms of the t<br>R 262.27(a) (if I ar | pe                                                                                                                                                                                                             | le international and na<br>gment of Consent.<br>lor) or (b) (if I am a si<br>Port of c<br>Date lea<br>ure<br>Ure<br>Control to<br>Date lea<br>Ure<br>Control to<br>Date lea<br>Control to<br>Control to<br>Control to<br>Date lea<br>Control to<br>Control to<br>Control to<br>Control to<br>Control to<br>Control to<br>Control to<br>Control to<br>Date lea<br>Control to<br>Control to<br>Co | ational governm<br>nall quantity ge<br>1 2 1<br>antry/codt<br>wing U.S.:                           | ental regulations                   | s. 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| 15.<br>Gene<br>16. h<br>Trans<br>17. T<br>Trans<br>18. C<br>18a.<br>18b.<br>18b.<br>18b.<br>18b.<br>19. H<br>1.<br>20. C | GENERATOR'S/OFFEROR'S CE<br>marked and labeled/placarded. ar<br>Exporter, I certify that the content<br>l certify that the waste minimization<br>international Shipments [<br>International Shipments] | IIICIS         ERTIFICATION: 1 hereby declar         and are in all respects in proper         s of this consignment conform         on statement identifier in 40 CF         Import to U.S.         ):         celut of Materials         Quantity         Generator)         nentl Method Codes (I.e., codes         2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The that the content<br>condition for transp<br>to the terms of the .<br>TR 262.27(a) (if I ar | sort according to apolicat<br>attached EPA Acknowled<br>in a large quantity genera<br>Signal<br>Export from U.S<br>Signal<br>Signal<br>Signal<br>site treatment, disposal, a<br>3,<br>a covered by the manifes | le international and na<br>gment of Consent.<br>tor) or (b) (if I am a si<br>ure<br>Date lea<br>ure<br>With Corre-<br>With Corre-<br>Residue<br>Manifest Referen<br>nd recycling systems)<br>except às noted in its                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ational governm<br>nall quantity ge<br>(1) 2)<br>antry/coat:<br>wing U.S.:<br>pe<br><br>co Number: | ental regulations nerator) is true. | s. 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|            |                                                                                                                     | 22. Page               | 23. Man        | ifest Tracking Nu                     |                     | m Approved  | <u>z</u> /      | <u>, 2000</u><br>ZV- |
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| .4. (      | (Continuation Sheet) KSV////////////////////////////////////                                                        | - P/Z                  |                | LAC.                                  | <u>a_1</u>          | <u>////</u> | <u>&gt; / 7</u> | 7-                   |
|            | 2017 Suther K                                                                                                       | 11/48                  |                | :                                     | •                   |             |                 |                      |
| 25,        | Transporter Company Name                                                                                            | <u>I</u>               | · · ·          | U.S. EPAID                            |                     |             | - 12            |                      |
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| 27a.<br>1M | 276. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,<br>and Packing Group (if any)). | 28. Conta<br>No.       | iners<br>Typio | 29. Total<br>Quantity                 | 30. Unit<br>WL/Vcl. | 31.         | Waste Code      | 15                   |
| 1          |                                                                                                                     | •                      |                |                                       |                     |             |                 |                      |
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| 2.5        | peciai Handling Instructions and Additional Information                                                             |                        |                |                                       | - <u></u>           | <u> </u>    |                 | <u>[</u>             |
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|            | renscorter C Acknowledgment of Receipt of Neterials                                                                 |                        |                | · · · · · · · · · · · · · · · · · · · | <u> </u>            |             |                 |                      |
| rinte      | salTyped Name Sign                                                                                                  | ature<br>General       | -              | APP                                   | •                   | Ma          |                 | Ĭ                    |
|            | ransporter Acknowledgment of Receipt of Materials                                                                   |                        |                |                                       |                     | <u>_</u>    |                 | e                    |
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| 5. DI      | lisorepancy                                                                                                         |                        | •              | ·                                     | •`                  | <u>_</u>    |                 |                      |
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|            | azardous Waste Report Management Methon Codes (i.e., codes for hazardous waste treatment, disposal,                 | and recycling systems) |                | •                                     |                     |             |                 |                      |

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|                     | UNI          | FORM HA                     | ZARDO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US 1       | . Genen       | stor ID I             | Number        |           | 3 6        |           |              | 12         |            |              | ergency Respon                     | se Phone F1               | + 4. Manifest            | Tracking N          | umber<br>139  |                          | GBF              |
|                     | 5. Ge        | enerator's A<br>EAT         | lame and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Mailing    | Address       | G.                    |               | •         |            |           |              |            |            | Genera       | ator's Sile Addres                 | ss (if different th       | an mailing addres        |                     |               | <u> </u>                 |                  |
|                     |              | 17 S<br>AVEN                | 47<br>NORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ή́S<br>Ϋ́. | T.<br>KŠ      | 660                   | 48            |           |            |           |              |            |            |              |                                    | 110                       |                          | /                   | ,             |                          |                  |
|                     | Gene         | rator's Pho<br>Insporter 1  | ):se:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |               |                       |               |           | <u>(</u>   | 913       | <u>) 687</u> | -22        | 91         |              |                                    | 97                        | U.S. EPAIDI              |                     |               |                          |                  |
|                     | 1            | SPIT7                       | • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | STA           | AL (                  | CLE           | AN,       | LL         | 'n        |              |            |            |              |                                    |                           | ILR                      |                     | 013           | 000                      | 52               |
|                     | 7. Tra       | csporter 2                  | Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | / Name     | 2             | 1 < 7                 | Li            | . (       | 1.0        | 6.13      | L            | 1c         |            |              | 2.                                 |                           | J.S. EPAIDI              | Number              | 0130          | 06Z                      | -                |
|                     | 8. Dá        | signated F                  | acility Nar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ne and l   | Site Add      | ess                   |               |           |            | 016       |              |            |            |              | NA                                 |                           | U.S. EPAID               | lumber              |               |                          |                  |
|                     | 42           | TRO-<br>1 Ly                | cast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ÷          |               |                       | 86            | GRC       | ЛР         |           |              |            |            |              | ·                                  |                           | # L D                    | 3 9                 | <b>U 19 T</b> | 9 Z 3                    | <sup>, 8</sup>   |
|                     | De<br>Facili | troi<br>ty's Phone          | t, M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | I 4        | 921           | 4                     |               |           |            |           |              |            |            | (1           | 313) 824                           | - 840                     | <u> </u>                 | <u> </u>            |               |                          |                  |
|                     | 9a.<br>HM    |                             | . DOT Des<br>cking Grou                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |               | ng Prop               | er Shipp      | ing Na    | me, Haza   | nd Clas   | s, ID Num    | ber,       |            |              | 10. Cont                           | alners<br>Type            | 11. Total<br>Quantity    | 12. Unit<br>WL/Val. | 13            | Waste Coo                | ies              |
|                     |              | 'RQ,                        | GAS'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | re p       | AIE           | r Ri                  | <b>ILA</b> T  | ED        | MATE       | RIA       | ī, 3         | , U3       | 11263      | 3,           | / 1                                |                           |                          |                     | F003          | T005                     | D007             |
| GENERATOR           | х            | PG :                        | II,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (F00       | 3,E           | 005,                  | , D00         | 7,2       | 003)       |           | G# 1         | 28         |            |              |                                    | (DM)                      | 100                      | 4                   | 0008          | <u> </u>                 |                  |
|                     |              | 2. :                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               |                       |               |           |            |           |              |            |            |              |                                    |                           |                          | <b> </b>            | · · · · · ·   |                          | $\frac{1}{1}$    |
|                     |              |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | • .        |               |                       |               |           |            |           |              |            |            |              |                                    |                           |                          |                     |               |                          | <u>+</u>         |
|                     | -            | 3.                          | ·· · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |               |                       |               |           |            |           |              |            |            | <u></u>      |                                    |                           |                          |                     |               | 1                        |                  |
| $\left\  \right\ $  |              |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               |                       |               |           |            |           | Ŀ            | ,          |            |              |                                    |                           |                          |                     |               | 1                        |                  |
|                     |              | 4.                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               |                       |               |           |            |           |              | <u>i</u>   |            |              |                                    | :                         |                          |                     |               |                          |                  |
|                     |              |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               |                       |               |           | • .        |           | Τ.           | h          |            |              |                                    |                           |                          |                     |               |                          |                  |
|                     | I '          | pecial Han                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | and Add       |                       |               |           | FBLI       | <u>~</u>  | HOE          |            |            |              |                                    | ~                         | M/Y                      | LE=                 |               |                          |                  |
|                     | 1 1)         |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | - •3       | ٦.            |                       | 30 - 1        | ا مة مالي | C DUU      | Ŷ         | 100          |            |            | 11           | $\mathcal{O}\mathcal{O}$           | <b>Desc</b>               | $\mathcal{A}\mathcal{O}$ | 0                   |               |                          |                  |
|                     | 15           | GENERAT                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FEROR      | S CERT        | TFICAT                | ION: Lb       | anahu     | deciare It | at the c  | 0.00100108.0 | f this con | signment   | are fully    | and accurately of                  | lescribed above           | by the proper sh         | innino nam          | and are cit   | ssilied as               | kaged            |
|                     | 1            | marked an                   | d labeledij                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | placarde   | ed, and a     | <del>u</del> ro in al | respect       | ts in pr  | oper cond  | tition fo | r transpor   | l accordir | ig to app  | cable in     | emetional and na<br>nt of Consent. | ational governm           | ental regulations.       | If export sl        | ipment and    | em the Pri               | mary             |
|                     |              |                             | t the wast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | te minim   | ization s     | tateme                |               |           |            |           |              |            | iantity ge |              | or (b) (if I am a sr               | nall quantity ge          | nerator) is true.        |                     | Mo            | inth Da                  | y Year           |
| ļ                   | 14           | ЛП                          | ίE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | G          | 11            | <u> </u>              | $\mathcal{N}$ |           | •          |           | •            |            |            | U            | 'ille                              | Alt                       | los                      |                     | 1             |                          |                  |
| INTL                |              | ternational<br>sporter sign |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               | Import                | 10 U.S.       |           |            |           |              | E          | port from  | U.S.         |                                    | entry/exit:<br>wing U.S.: |                          |                     |               |                          |                  |
|                     | 17. Tr       | ensportar /                 | Action of the second se | gment o    | f Receip      | t of Mat              | terials       |           |            |           |              |            |            |              |                                    | Mary 0.3                  | ~                        |                     |               |                          |                  |
| TR ANSPORTER        | Trans        | porter 1 Pri                | inted/Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | id Name    |               | 69                    | - P J         | Ø         |            |           |              |            | Si<br>I    | gnature      | $\langle -$                        | O[i]                      | $\left( \right)$         |                     | Mo            |                          | y Year<br>→ CF7  |
| ANS                 | Tans         | porter 2 Pr                 | a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1          | 1             |                       | <u></u>       | <u> </u>  |            | <u></u>   |              |            | ŝ          | enature<br>F | 111                                | 7                         | 1                        |                     |               | inth Da                  |                  |
| E                   | 18 D         | Iscrépáncy                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12         |               |                       | $\mathcal{N}$ | 111       | 5          | <u>/</u>  |              |            |            |              | ell 11                             | <u>MA</u>                 | <u> </u>                 | 2                   | /             | $\mathcal{A}\mathcal{D}$ | 709              |
|                     |              | Discrepanc                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m Space    | • [           | ] Qu                  | entity        |           |            | ]         | Туре         |            |            |              | Residue                            | ·····                     | Partial Rej              | ection              |               | Full R                   | ajection         |
|                     |              |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | _             |                       | •             |           |            | •         |              |            | ·          |              | vlanifest Referen                  | oo humber                 |                          |                     |               |                          | -                |
| Ľ.                  | 18b. A       | Alternate Fr                | acility (or (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Generati   | or)           |                       | <u></u>       |           |            |           |              |            |            |              | namost reieren                     | Ge NUMDET.                | U.S. EPA ID I            | lumber              |               |                          |                  |
| FACIL               | Farila       | ly's Phone:                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               |                       |               |           |            |           |              |            |            |              |                                    |                           | 1                        |                     |               |                          |                  |
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| IGNA                | 19. H        | azardous V                  | Vasto Ren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ort Man    | agemen        | t Meiho               | d Codes       | lie.c     | odes for   | hazardo   | ius waste    | treatmen   | l, discos  | ai, and re   | cycling systems                    | )                         |                          |                     |               |                          |                  |
| DES                 | 1.           | 1                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |               |                       | 2.            | (         |            |           |              |            | 3.         |              | ,                                  | •                         | 4.                       |                     |               |                          |                  |
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| Ī                   | 1            | 44                          | lient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | تعصر ا     |               |                       |               |           |            |           | <i>sj</i>    |            |            | The          | CAN 4                              | mu                        | self a                   | <u> </u>            | (             | c- 12                    | <u>' 77</u>      |

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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| Continuation Sharp         R & D 0 0 7 1 3 6 8 7 2         P/2         (1) (1) (1) (1) (1) (2) (2) (2) (2)           EXT Soft West STERE HWG 6.         Extractor 2.         Company Mark         US BRUD Number         Company Mark         Number (12) (2) (2) (2) (2) (2) (2) (2) (2) (2) (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | AFeim designed for use on elite (12-pitch) typewriter.) POULE: KANSA<br>AZARDOUS WASTE MANIFEST 21: Generator ID Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | S CITY           | 23. Man   | lfest Tracking Nur |                   | n Approved  | OMB No.    | 2050-0039  |
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| 13. Transporter       3. Acknowledgment of Receipt of Materials         Winted/Typed Name)       Signations         4. Transporter       4. Acknowledgment of Receipt of Materials         Winted/Typed Name       IEI/3         Signature       Acknowledgment of Receipt of Materials         Winted/Typed Name       Signature         Month       Day         Year       IEI/3         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Month         Day       Year         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Acknowledgment         Signature       Acknowledgment </td <td>••</td> <td>an frank figure (there is not figure that the second second second second second second second second second s</td> <td>a an an an an</td> <td>··· •,3</td> <td></td> <td></td> <td>. <u></u></td> <td><u> </u></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ••                 | an frank figure (there is not figure that the second second second second second second second second second s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | a an an an an    | ··· •,3   |                    |                   | . <u></u>   | <u> </u>   |            |
| 13. Transporter       3. Acknowledgment of Receipt of Materials         Winted/Typed Name)       Signations         4. Transporter       4. Acknowledgment of Receipt of Materials         Winted/Typed Name       IEI/3         Signature       Acknowledgment of Receipt of Materials         Winted/Typed Name       Signature         Month       Day         Year       IEI/3         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Month         Day       Year         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Acknowledgment         Signature       Acknowledgment </td <td><u> </u></td> <td></td> <td></td> <td></td> <td>·</td> <td></td> <td>ļ</td> <td>ļ</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |           | ·                  |                   | ļ           | ļ          |            |
| 3. Transporter <u>3</u> Acknowledgment of Receipt of Materials       3. Transporter <u>3</u> Acknowledgment of Receipt of Materials       Imbed/Typed Name       Imbed/Typed Name       Imbed/Typed Name       Signature       Imbed/Typed Name       Signature       Month       Day       Year       Imbed/Typed Name       Signature       Month       Day       Year       Imbed/Typed Name       Signature       Month       Day       Year       Signature       Signature       Signature       Hardin Column       Signature       Hardin Column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |           |                    |                   |             | ļ          |            |
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| 13. Transporter       3. Acknowledgment of Receipt of Materials         Winted/Typed Name)       Signations         4. Transporter       4. Acknowledgment of Receipt of Materials         Winted/Typed Name       IEI/3         Signature       Acknowledgment of Receipt of Materials         Winted/Typed Name       Signature         Month       Day         Year       IEI/3         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Month         Day       Year         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Acknowledgment         Signature       Acknowledgment </td <td>ł</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>ļ</td> <td>ļ</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ł                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | 1         |                    |                   |             | ļ          | ļ          |
| 13. Transporter       3. Acknowledgment of Receipt of Materials         Winted/Typed Name)       Signations         4. Transporter       4. Acknowledgment of Receipt of Materials         Winted/Typed Name       IEI/3         Signature       Acknowledgment of Receipt of Materials         Winted/Typed Name       Signature         Month       Day         Year       IEI/3         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Month         Day       Year         Signature       Acknowledgment of Receipt of Materials         Worth       Day         Year       Signature         Signature       Acknowledgment         Signature       Acknowledgment </td <td>2 5000</td> <td>n Hervine termstore and Additional Information</td> <td></td> <td> </td> <td> <br/></td> <td></td> <td>L</td> <td></td> <td><u> </u></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 5000             | n Hervine termstore and Additional Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |           | <br>               |                   | L           |            | <u> </u>   |
| Winth       Day       Year         Low HC       Ditt 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E. 0060            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |           |                    | *                 |             |            |            |
| Inted/Typed Name       Month Day Year         Low H C       Diff. Tat N C         4. Transporter       Acknowledgment of Receipt of Materials         Inted/Typed Name       Signature         Month Day Year         Signature         Month Day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | •••••              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | · · · , : | 4                  |                   | 1           | -          | ·          |
| 4. Transporter <u>4</u> Acknowledgment of Receipt of Materials<br>Thiled/Typed Name<br>5. Discrepancy<br>6. Hazérdous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposel, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    | potter3Acknowledgment of Receipt of Majerials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |           |                    |                   |             |            |            |
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| 5. Discrepancy<br>6. Hazerdous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4. Trans           | porter Acknowledgment of Receipt of Materizis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |           |                    |                   | L_          | <u></u>    |            |
| 5. Hazerdous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | rinted/T           | speakertie S. Clark Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | XI P             | Fai       | A second           |                   |             | inth Day   | 1V19       |
| 6. Hazerdous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5. Discr           | spancy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  | <u>(</u>  |                    | <b>`</b>          | نىلىمى<br>ب |            | 41         |
| 6. Hazerdous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | :<br>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | •         | •                  | ·: ·              | <b>.</b>    |            |            |
| 6. Hazerdous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | <u> </u>  |                    |                   | ·····       | · . · ·    |            |
| 지수는 사람은 승규가는 생각하는 것을 가장 같은 것은 것이 많이 있는 것이 같이 있는 것이 있는 것이 같이 있는 것이 있는 것이 있는 것이 없다.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Hazei           | rdous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | cycling systems) |           |                    |                   | · . ·       |            |            |

DESIGNATED FACILITY TO OSMI

Federal Uniform \* 1014 PB: 100830 1088 201 299 ₩0# : SOC BANSAS CITI Route: Form Approved, OMB No. 2050-0039 Please print or type. (Form designed for use on elile (12-pitch) typewriter.) 4. Manifest Tracking Number 001244013 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 00 GBF 0112/0872 .800-424-9396,"1 1 K510 WASTE MANIFEST Generator's Site Address (il different than mailing address) 5. Generator's Name and Mailing Address (ec Ide 048 (1913) 682.254 Leculin Generator's Phone: U.S. EPA ID Number 6. Transporter 1 Company Nams ILR000130062 HERITAGE-CRYSTAL CLEAN. LLC U.S. EPA ID Number 7. Transporter 2 Company Name 100 ALOOG IIいししい  $\underline{i}$ 8. Designated Facility Name and Site Address U.S. EPA ID Number PETRO-CHEM PROCESSING GROUP MID\$\$0615298-421 Lycaste Detroit, MI 48214 (313)824-5640 Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazaru Class, iD Number, 10. Containers 11. Total 12. Unit 9a 13. Wasle Codes and Packing Group (if any)) WI.Nol. HM No. Туре Quantilly toint Kilatil Mater 6.1. 5 VULLET WS 120  $\omega^2$ GENERATOR CO2, FLUE, LLCON, NOLK эX 2. X 16T 6 5002 tR6# G10117 NOV 2010 RECEIVED 14. Special Handling instructions and Addit \$ (C) S BLIG 出( CC. 14501-1) GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper snipping name, and are classified, packaged, 15. marked and babeladiplacanded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and harn the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. 9 certify that the vaste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantify generator) or (b)(if) am a small quantity generator) is true erors/Printed/Typed Name Signaten Month Year Day Ð Ô 1800 (x)Dational Shipments Excort from U.S Port of entry/exit: Import to U.S. Z Date leaving U.S. Transporter signature (for exports only): ËΡ 17. Transporter Acknowledgment of Receipt of Materials Transporter Printed/Typed Name Signature Month Day Year POR 7 1Ò IMMIP Ð HO Transp nteo/T Signatu Month Year R 10 18. Olscrepancy 18a. Discrepancy Indication Space Type Cuantity - Full Rejection \_\_\_ Restriue Partial Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPAID Number Ę FACI Facility's Phone: 18c. Signature of Allemato Facility (or Generator) NATED Month Day Year œ 19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems) DESI H 061 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in them 18a Printed/Typed Name Sionature Month Dav Yea Ξ. APALEE 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR** 

| 25.              | Transporter <u>3</u> Company Name NOPTRU LIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |            | U.S. EPAIDA           |                      | 108   | 7275                    |   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|-----------------------|----------------------|-------|-------------------------|---|
| 26. 1            | ransporter Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |            | U.S. EPAID            | lumber               | ·     |                         | - |
| 27a.<br>dM       | 27b. U.S. DOT Description (including Proper Shipping Name, Pazard Class, ID Number,<br>and Packing Group (if any))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28. Containe<br>No, | rs<br>Type | 29. Total<br>Quantity | 30. Unit<br>Wt./Vol. | 31. W | aste Codes              |   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |            |                       |                      |       | - 144<br>- 144<br>- 144 |   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |            |                       |                      |       |                         |   |
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|                  | n an the second s |                     |            | <u></u>               |                      |       | <u></u>                 |   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |            | 3'<br>:<br>:          |                      |       |                         |   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <br>                |            |                       |                      |       |                         | - |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |            |                       |                      |       |                         |   |
| 32.5             | pectal Handling instructions and Additional Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     | , ** · ·   |                       |                      |       |                         |   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |            |                       |                      | · ·.· |                         |   |
| 33. Tr<br>Printe | ansportor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 70                  | -<br>Ve    | lse                   | 71                   | Mont  | h Day Year.<br>DIJCI/D  |   |
|                  | ansporter Advancement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |            |                       |                      | Mont  |                         |   |

|   | UNIFORM HAZARDOUS I. Genoralor ID Number<br>WASTE MANIFEST S D 0 0 7 1 3 6 8 7 2 1<br>S0                                                                                                                                                                                                                                                   | o-424-9                               | e Phone<br>300, **:            | 4. Manifest                              |                             | m Approved<br>lumber<br>242    |                                | GB                    |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------|------------------------------------------|-----------------------------|--------------------------------|--------------------------------|-----------------------|
|   | GREAT MESTERN MFG.                                                                                                                                                                                                                                                                                                                         | V2L232425                             | if different t                 |                                          |                             | <u>_</u>                       | <u></u>                        |                       |
|   | 2017 S. 4TH ST.<br>LEAVENWORTH, KS 66048                                                                                                                                                                                                                                                                                                   | A 18.                                 |                                |                                          |                             |                                |                                |                       |
| ł |                                                                                                                                                                                                                                                                                                                                            | HR 2010<br>ECEIVED                    | रेत्र या                       | U.S. EPA ID                              |                             |                                | <u> </u>                       |                       |
|   | HERITAGE-CRYSTAL CLEAN, LLC                                                                                                                                                                                                                                                                                                                | AT YOUCH AT                           |                                | U.S. EPAID                               |                             | 013                            | 10 0                           |                       |
|   | 8: Designated Facility Name and Site Address                                                                                                                                                                                                                                                                                               | SOI 0 20                              |                                | U.S. EPAIDI                              | Number                      | 728                            | 9/                             |                       |
|   | PETRO-CHEM PROCESSING GROUP<br>421 Lycaste                                                                                                                                                                                                                                                                                                 | المحتد بلغائله                        |                                | MID                                      | 98                          | 051                            | 52:                            | 99                    |
|   | T Dearly & T Horks                                                                                                                                                                                                                                                                                                                         | 313) 924-                             |                                |                                          |                             | T                              |                                |                       |
|   | Sa.         9b. U.S. DOT Description: (including Proper Shipping Name, Hazard Class, ID Numbor,<br>HM           and Packing Group (if any))                                                                                                                                                                                                | 10. Cantai<br>No.                     | ners<br>Type                   | 11. Total<br>Quantity                    | 12. Unit<br>Wt. Vcl.        | 13                             | Waste Coo                      | tes                   |
| 5 | TRO, BASTE PAINT RELATED MATERIAL, 3, UN1263,<br>TENIL, (F003, F005, DB07, D008) ERGS 128                                                                                                                                                                                                                                                  |                                       | m                              | 450                                      | D                           | T003                           | F005                           | 1000                  |
|   |                                                                                                                                                                                                                                                                                                                                            |                                       |                                |                                          |                             | 110 0.0                        |                                |                       |
|   |                                                                                                                                                                                                                                                                                                                                            |                                       |                                | ales et al.<br>L                         |                             |                                |                                | <u></u>               |
| - |                                                                                                                                                                                                                                                                                                                                            |                                       |                                |                                          |                             |                                |                                | 1                     |
|   |                                                                                                                                                                                                                                                                                                                                            |                                       |                                |                                          |                             |                                |                                | 1                     |
|   | 4.                                                                                                                                                                                                                                                                                                                                         | н.<br>1917 - М.<br>19                 |                                | •                                        | · .                         |                                |                                |                       |
|   | - 14. Special Handling Instructions and Additional Information 3.                                                                                                                                                                                                                                                                          |                                       | <u> </u>                       | <u> </u>                                 |                             |                                | <u> </u>                       |                       |
|   | 1) CC: 74561-4 TSD: HCCFBLIQ B061                                                                                                                                                                                                                                                                                                          | · · · · · · · · · · · · · · · · · · · |                                |                                          |                             |                                |                                |                       |
|   | $\mu c$                                                                                                                                                                                                                                                                                                                                    |                                       |                                |                                          |                             | 2                              | 58                             | 99                    |
|   | 5. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are full<br>marked and abeled/placarded, and are in all respects in proper condition for parsport according to applicable<br>Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgem | nternational and nat                  | iscribed abov<br>ional governr | e by the proper st<br>nental regulations | ipping nem<br>. If export s | e, and are da<br>hipment and l | issified, pao<br>I am line Pri | kaged,<br>mary        |
| ł | I certify that its waste minimization statement licentified in 40 CFR 262.27(a) (#I am a targe quantity generator)<br>Generator/s/Offenor's Printed/Typed.Name Signature                                                                                                                                                                   | or (b) (if I am a sm                  | al quantity ge                 | enerator) is true.                       |                             | Mc                             | <u>SA</u><br>mth Da            | 70 <u>1</u><br>iy Yea |
|   | 16 International Shipman's                                                                                                                                                                                                                                                                                                                 | <u>}-i</u>                            | 20                             |                                          |                             |                                |                                | 2 10                  |
|   | Transporter signature (for exports only):                                                                                                                                                                                                                                                                                                  | Port of er<br>Date leav               |                                |                                          |                             |                                |                                |                       |
|   | 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature                                                                                                                                                                                                                                          |                                       |                                | (1)                                      | }                           | Mo                             | nth Da                         | y Yea                 |
|   | Transporter 2 Printed/Typed Marrie Signature                                                                                                                                                                                                                                                                                               | teres 1                               | Cerr                           | udd_                                     | , ·                         | Mo                             | ic <u>ia</u> nth De            |                       |
| : | Hen Hendershot //                                                                                                                                                                                                                                                                                                                          | . d.                                  |                                | -                                        | <b>_</b>                    | تر ا                           | 212                            | 7/10                  |
| ŀ | 18a. Discrepancy Indication Space                                                                                                                                                                                                                                                                                                          | Residue                               |                                | Pardal Re                                | ection                      |                                | Full R                         | ejection              |
|   | · · ·                                                                                                                                                                                                                                                                                                                                      | Manifest Reference                    | e Numper:                      |                                          |                             |                                |                                |                       |
|   | 18b. Alternale Facility (or Generator)                                                                                                                                                                                                                                                                                                     |                                       |                                | U.S. EPA (D )                            | luncer                      |                                |                                |                       |
|   | Facility's Phone:<br>18c. Signature of Alternate Facility (or Generator)                                                                                                                                                                                                                                                                   |                                       |                                |                                          |                             | M                              | onth D                         | ay Ye                 |
|   | 19. Hazardous Weste Report Management Method Codes (Le., codes for nazerdous waste treatment, disposal, and                                                                                                                                                                                                                                | nonvilla material                     | <u></u>                        | <u></u>                                  |                             | · ]                            |                                | <u> </u>              |
|   | 19. Hazardous weste Report Management Method Codes (Le., codes tor hazardous waste reament, disposal, and it.       1.       2.                                                                                                                                                                                                            | acycling systems)                     |                                | 4.                                       |                             |                                | <u></u>                        |                       |
|   | HOLs<br>20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest ex                                                                                                                                                                                                              | cept as noted in Iter                 | m 18a                          |                                          |                             |                                |                                |                       |
| ſ | Printed/Typed Name Signature                                                                                                                                                                                                                                                                                                               |                                       |                                |                                          |                             | M                              | onih Da                        | iy Yea                |

|     | All (Lenin designed for use on ellie (12-pitch) hypewriter.) POULE: LAKER.<br>HAZARDOUS WASTE MANIFEST 21. Generator ID Number<br>(Continuation Sheet) RSD 0 7 1 3 5 8 7 2 | 22: Page         |            | ast Tracking Nun       |           | n Approved | OMB No. 2       | 050-0039 |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------------|-----------|------------|-----------------|----------|
|     | A B LAO 9 / 1 5 8 5 7 2<br>nerator's Name.<br>REAT WI STERN MFG.                                                                                                           | 1 100            | [( {       | <u> (. *</u>           | /         |            | 211             |          |
|     | 2017 S. 4TH ST.<br>LEAVENWORTH, KS 66048                                                                                                                                   |                  |            |                        |           |            |                 |          |
|     | Transporter Company Name                                                                                                                                                   |                  |            | U.S. EPA ID I          | lumbor    |            |                 |          |
| 26. | Transporter Company Name                                                                                                                                                   | A.C.             |            | U.S. EPA ID            |           | in Kral    | <b>6</b>        |          |
| 278 | 270. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number,                                                                                        | 28. Centai       | ners       | 29. Total              | 30. Unit  |            | $\underline{O}$ | 2        |
| HM  |                                                                                                                                                                            | No.              | Туро       | Quantity               | Wt.Noi.   | 31.        | Waste Codes     |          |
|     |                                                                                                                                                                            |                  |            |                        |           |            |                 | <b></b>  |
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|     | a an                                                                                                                                   | uranti desari    | utpudation | entament v., t         | i interes | <u></u>    |                 | <u></u>  |
|     | <u>.</u>                                                                                                                                                                   |                  |            |                        |           |            |                 | · ·      |
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| 32  | Special Handling Instructions and Additional Information                                                                                                                   |                  |            |                        | ·         |            | <u> </u>        |          |
|     |                                                                                                                                                                            |                  |            | •                      | •         |            | •. •            |          |
|     |                                                                                                                                                                            | •                |            |                        | (<br>(    |            | •               |          |
|     | Transporter Acknowledgment of Receipt of Materials ted/Typed.Name Signature                                                                                                |                  |            |                        |           | Мо         | nth Day         | Year     |
|     | TETTY WINK                                                                                                                                                                 |                  | 4<br>H     | <b>-</b>               |           | ľ          |                 | 1        |
|     | Transporter <u>H</u> Ackhowledgment gPRacelpt of Materials in <u>Ackhowledgment gPRacelpt of Materials in <u>Signature</u><br/>Ited/Typed Name Signature</u>               | a y              | <u> </u>   |                        |           | Mo<br>Mo   | nih Day         | Year     |
| 35. | Discrepancy                                                                                                                                                                | 1                | for        | 1.0.0                  |           |            | 3.12            | 10       |
|     |                                                                                                                                                                            |                  | •          | . ·                    |           |            |                 |          |
|     |                                                                                                                                                                            |                  |            |                        |           |            | · .             |          |
| 36. | Hazandous Waste Report Management Mothod Codes (I.e., codes for hazandous waste treatment, disposal, and re                                                                | cycling systems) |            | · · · · · ·            | 1         |            |                 |          |
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# ATTACHMENT: 9

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| UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Emergency Respons                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4. Manifest                            | Tracking I                    | lumber               |                 |                                                                    |
| WASTE MANIFEST R D D V V F A 3 0 0 F Z 2 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ncralor's Site Addres                                                                                                                                           | · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                               | 258                  | <u>UU</u>       | GBF                                                                |
| GERAT MESTERN NEG.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                 | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                                      | •                             |                      |                 |                                                                    |
| 2337 S. 478 SW.<br>LEAVENHORTH, KS 66048<br>Generator's Pache:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                               |                      |                 |                                                                    |
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| HARTPAGE-CRYSTAL CLEAN, USC<br>7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ·                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | U.S. EPAID                             | Number                        | 013                  | 00              | \$ 2                                                               |
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| 8. Designated Facility Name and Site Address<br>PROFECTED FILM PROCESSING GROUP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | U.S. EPAID                             |                               | 0 K 3                | 5.2             | G RL                                                               |
| All Lycaste<br>De(roin, MI 46214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 28                                     | ~ ~                           | · · · · · ·          | · · · A.        |                                                                    |
| Facility's Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (313)824                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        | <del></del>                   | <u></u>              |                 |                                                                    |
| 9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,<br>HM and Packing Group (if any))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10. Conte<br>No.                                                                                                                                                | ainers<br>Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11. Total<br>Quantity                  | 12. Unit<br>Wt.Nol.           | 1                    | 3. Waste C      | cdes                                                               |
| 120. MASTE PAINT RELAIED MATERIAL, 3, UNI263,<br>PG II, (F003, F005, D007, D008) ERG# 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                               | <b>1</b> 903         | P.0 0           | 5 5087                                                             |
| X PG 12, (1000,2005,0007,0008) 2009 1X0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                 | DH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4/00                                   | 12                            | 0088                 | 1               |                                                                    |
| X PG TE, (FOO3, FOUS, DOO7, DOUE) ENGY 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                               |                      | 1               | 1                                                                  |
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| 14. Special Handling Instructions and Additional Information         15. CC:: 74561-4         16. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are f marked and labelad/placarded, and are in all respects in proper condition for transport according to applicable Exporter. I certify that the contents of this consignment conform to the terms of the stacked EPA Action/edge I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large qualifility generator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | e international and na<br>ment of Consant<br>or) or (b) (if I am a sm                                                                                           | tional governm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ental regulations                      | nicping nam                   | hipment and          | l I am the F    | ackaged,<br>rimary                                                 |
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# ATTACHMENT: 10

#### LAND DISPOSAL RESTRICTIONS (LDR) NOTICE AND CERTIFICATION

#### GREAT WESTERN MFG. Generator;

#### EPA ID: XSD007138872

Manifest Doc:

State Manifest No:

Waste Dees Hot Meet Applicable Treatment Standards - This is a restricted waste that does not meet the (1) applicable treatment standards set forth in Subpart O of 40 CFR Part 265, or exceeds the applicable prohibition levels set forth in 40 CFR 268.32 or RCRA Section 3004(d).

I certify that the information provided on this and any additional pages (HCCI OR2; HCCLDR3) of this LDR

notification is true, accurate and complete Autorized Signature:

Print Name: Date:

Company - Title:

Heritage-Crystel Clean does not warrant the acceptability of this form for any specific purpose, maste or treatment method and does not warrant that its use will constitute compliance with applicable lew and expressly disclaims responsibility or hability, for any penalties, damages or other cosis which may arise out of or be related to use of this document

Location: Work Order #: KANSAS CITY PP-2548310

Route: KANSAS CITY - ROUTE 2 CC Ws # 74661-4

#### HOCLDR2

#### LAND DISPOSAL RESTRICTIONS (LDR) NOTICE AND CERTIFICATION

#### Generator: GREAT WESTERN MFG.

#### EPA ID: KSD007136872

State Manifest No:

Manifest Doc:

| (1)<br>Manifest<br>Page-Line<br>Item | (2)<br>Hazardous<br>Waste Code<br>(One per line) | (3)<br>Waste<br>Water | (4)<br>Non<br>Waste<br>Water | (5)<br>Subcategery<br>(if applicable) | (8)<br>Underlying<br>Constituents | (7)<br>Applicable<br>Certification<br>(One par line) | Subcatagory<br>Description                                                                                      |
|--------------------------------------|--------------------------------------------------|-----------------------|------------------------------|---------------------------------------|-----------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 174                                  | Doð7                                             |                       | <u>x</u>                     | 48                                    | YËS                               | (1)                                                  | TO TWOSTE MANAGED IN<br>NON CWA SYSTEM                                                                          |
| 17A                                  | F1905                                            |                       | X                            | NA.                                   | A/A                               | (1)                                                  | a dina dia mpikambana dia mpikambana dia mpikambana dia mpikambana dia mpikambana dia mpikambana dia dia dia di |
| 17A                                  | Feos                                             |                       | X                            | NA -                                  | N/A                               | (1)                                                  | an a                                                                        |
| 174                                  | 3740                                             |                       | X                            | 48                                    | YES                               | (1)                                                  | TO WASTE MAMAGED HI<br>NON, OWA SYSTEM                                                                          |

Enter date waste is subject to prohibition if Certification #3 applies.

Location: \*Work Order #: KANSAS CITY PP-2548310 Route: KANSAS CITY - ROUTE 2 CC Ws & 74561-4

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HOCLORS

#### SUPPLEMENTAL FOOT-FOOS SPENT SOLVENT -UNDERLYING CONSTITUENTS - FOOS LEACHATE

#### Generator. GREAT VESTERN MFG.

#### KSD907136872

#### Marifest Doc:

#### State Manifest No:

EPA ID:

This form is required for F001-F005 spent solvents, characteristic wastes requiring identification of underlying hazardous constituents, or for F030 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous constituents, or for F030 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous to the wastestreams identified on HOCLDR1

| Regulated Consituent<br>(Chock all itst apjøy) | Manifest<br>Paye - Line |
|------------------------------------------------|-------------------------|
| ETHYL DENZENE                                  | 1/A                     |
| METHYI, ISOBUTYL KETONE                        | 174                     |
| 2-ETHORYETHANOL                                | 1/4                     |
| XYLENUS (OMP-XYLENE)                           | 1/A                     |
| ETHYL ACETATE                                  | 1/2                     |
| ETHYLITTER                                     | 1/4                     |
| METHANOL                                       | 1/A                     |
| ACE TONE (2-PROPANONE)                         | 1/A                     |
| N-BUTTI. ALCOHOL                               | 1/A                     |
| BENZENE                                        | 1/A                     |
| · ISOMUTANOL (ISOBUTYL ALCOHOL)                | 1/A                     |
| TOLUENE                                        | 1/A                     |
| CYCLOHEXANONE                                  | 1/A                     |
| METHYL ETHYL KETONE                            | 1/A                     |

Page 3 of 3

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# ATTACHMENT: 11

#### **Facility Responsibilities**

#### The facility agrees to:

- 1. Allow KDHE to conduct a CAV during normal business hours. The CAV may take multiple days depending on the size of the facility.
- 2. Complete all forms sent to the facility by the inspector before the CAV to the best of their ability.
- 3. Provide a minimum of one facility contact that will accompany KDHE during the entire CAV, and provide access to additional employees as necessary to complete a dotailed CAV.
- 4. Provide copics of all required documents for KDHE's review, and provide photocopies of necessary documents for the inspector to take with them for future reference.
- 5. Allow the inspector to take photographs (unless safety requirements prohibit this) at the facility to document discrepancies or to illustrate situations for future use.
- 6. Have all appropriate management personnel participate in the meeting at the conclusion of the CAV so that employees are aware that management supports and encourages the facility's compliance efforts.
- 7. Correct all discrepancies found during the CAV within the time frames established by the KDHE inspector. All discrepancies must be corrected and compliance achieved to KDHE's satisfaction within the timeframes established in the CAV inspection report in order to terminate the agreement. If a discrepancy cannot be corrected within the established time frame, the facility is responsible for contacting the KDHE inspector to obtain an extension. An alternate schedule may be approved by KDHE based upon justifiable circumstances explained by the facility as part of the request for extension.
- 8. Apply the knowledge learned from this facility CAV to all other facilities owned or managed by the company within Kansas.

#### Signatures

By signing this agreement, both the facility and KDHE specifically and expressly agree and acknowledge that this Agreement is entered into freely and voluntarily for the purposes of achieving and maintaining compliance with the hazardous waste regulations of the State of Kansas.

day of tebluary Agreement entered into this \_\_\_\_ Company Representative: <u>Stephen C. Wood</u> Printed Name ed Title 7 Mar 12 Date of Signature Signature KDHE Representative PSE Printed Title Printed Name Signature Signature

Compliance Assistance Visit Agreement # 12-2

Page 2 of 3

#### **Contact Information**

| Company Information:                                          |
|---------------------------------------------------------------|
| Company Name: Great Western MFG Co. Inc.                      |
| Physical Address: 2017 South Fourth st. Leavenwurth, KS-66048 |
| Mailing Address: Sq m q                                       |
| BPA ID Number: KSN 007/36872                                  |
| Generator Status (if known): So C                             |
| Contact Name (for scheduling CAV): Down Reice                 |
| Contact Phone Number: (9(3) 682-229                           |
| Contact e-mail address: derice a gum fg. com                  |

#### **KDHE Information:**

Jim Rudeen, Section Chief Compliance Assistance and Enforcement Section KDHE Bureau of Waste Management 1000 SW Jackson, Suite 320 Topeka, KS 66612-1366 785-296-1603 jrudeen@kdheks.gov

Compliance Assistance Visit Agreement # 12-2

Page 3 of 3

# ATTACHMENT: 12

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#### KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT DIVISION OF ENVIRONMENT Bureau of Environmental Field Services Waste Management Programs Northeast District Office

The digital photographs contained in this report were recorded directly to an archival file or electronic media (such as a compact disc, digital versatile/video disc, or tape) prior to viewing on a computer system. KDHE certifies that such digital photographs are thus identical to the digital photographs taken during the inspection/investigation.

| Site Name: | Great Western Manufacturing Co, Inc. |  |
|------------|--------------------------------------|--|
| Address:   | 2017 South 4th Street                |  |
| County:    | Leavenworth                          |  |
| Legal:     |                                      |  |

| EPA ID No.: | KSD 007 136 872         |
|-------------|-------------------------|
| City:       | Leavenworth             |
| Camera:     | Canon Powershot A590 IS |
| Taken By:   | BPD                     |
|             |                         |



| Photo No.:              | 1                                                         |
|-------------------------|-----------------------------------------------------------|
| Archive Disc File No .: | IMG_1944                                                  |
| Date:                   | March 7, 2012                                             |
| Time:                   | 3:02 AM                                                   |
| Location: N             | lear Maintenance Area                                     |
| Direction Faced:        | North                                                     |
| Weather Conditions:     | Indoor                                                    |
| Comments:               |                                                           |
| with a proper universa  | in the photo were not labeled<br>I waste label. The right |
| photo 2.                | on the backside, as shown in                              |



| Photo No.:                                     | 2                                             |
|------------------------------------------------|-----------------------------------------------|
| Archive Disc File No                           | .: IMG_1945                                   |
| Date:                                          | March 7, 2012                                 |
| Time:                                          | 3:04 AM                                       |
| Location:                                      | Near Maintenance Area                         |
| Direction Faced:                               | North                                         |
| Weather Conditions                             | : Indoor                                      |
| The right container h<br>visible when turned a | nad a label on the back, which was<br>around. |

#### KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT DIVISION OF ENVIRONMENT

#### Bureau of Environmental Field Services Waste Management Programs Northeast District Office

The digital photographs contained in this report were recorded directly to an archival file or electronic media (such as a compact disc, digital versatile/video disc, or tape) prior to viewing on a computer system. KDHE certifies that such digital photographs are thus identical to the digital photographs taken during the inspection/investigation.

| Site Name: | Great Western Manufacturing Co, Inc. | EPA ID No.: | KSD 007 136 872         |
|------------|--------------------------------------|-------------|-------------------------|
| Address:   | 2017 South 4th Street                | City:       | Leavenworth             |
| County:    | Leavenworth                          | Camera:     | Canon Powershot A590 IS |
| Legal:     | 0                                    | Taken By:   | BPD                     |



| Archive Disc File No.:<br>Date:<br>Time: | IMG_1943<br>March 7, 2012                                  |
|------------------------------------------|------------------------------------------------------------|
| -                                        | March 7, 2012                                              |
| Time:                                    |                                                            |
|                                          | 12:55 PM                                                   |
| Location:                                | North Paint Booth Area                                     |
| Direction Faced:                         | Northwest                                                  |
| Weather Conditions:                      | Indoor                                                     |
| Comments:                                | The state of the                                           |
|                                          | ardous paint related waste<br>that does not attach or seal |

Indoor

| Photo No.:                              | 4            |
|-----------------------------------------|--------------|
| Archive Disc File No.:                  |              |
| Date: Ma                                | arch 7, 2012 |
| Time:                                   |              |
| Location:                               | diam'n.      |
| Direction Faced:                        |              |
| Weather Conditions:                     | Inc          |
| Comments:                               |              |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |              |
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|                                         |              |

STATE OF KANSAS

DEPARTMENT OF HEALTH AND ENVIRONMENT Forbes Field Topeka, Kansas 66620-0001 Phone (913) 296-1500

Mike Hayden, Governor November 13, 1987

> Mr. Karl Romig Great Western Manufacturing Co., Inc. 2017 South Fourth P. O. Box 149 Leavenworth, Kansas 66048

Stanley C. Grant, Ph.D., Secretary Gary K. Hulett, Ph.D., Under Secretary



Re: Hazardous Waste Compliance Inspection of September 28, 1987

Dear Mr. Romig:

Thank you for your letter of October 22, 1987, which indicates you've taken action to correct deficiencies noted during the inspection.

During our telephone conversation on November 13, 1987, we discussed and answered your question regarding accumulating and storing hazardous wastes for a period longer than ninety (90) days.

Based on the information provided, your facility is in substantial compliance with state and federal hazardous waste regulations.

Your cooperation with the hazardous waste management program is appreciated. If you have questions concerning the inspection, please call me at the Northeast District Office in Lawrence at 913/842-4600.

Respectfully

Jim Fischer Environmental Technician Inspections and Enforcement Section Bureau of Waste Management

Northeast District

JF:jkh (great%.jf)

c: Tom Gross, Bureau of Waste Management John Paul Goetz, Bureau of Waste Management NEDO

## • GREAT WESTERN MANUFACTURING CO., INC. •

AREA CODE 913 PHONE 682-2291



F O HOX 14

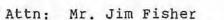
TRU-BALANCE FLOOR MOUNTED SIFTER "HS" FREE SWINGING SIFTER SIFTER SIEVES

LEAVENWORTH. KANSAS 66048-0149

GRAIN ELEVATOR EQUIPMENT CUSTOM FABRICATOR LOUR MILL SUPPLIES

October 22, 1987

Department of Health and Environment Forbes Field Topeka, Kansas 66620-0001



Dear Jim:

K. D. H. E. NORTHEAST D'STPICT

OCT 2 9 1987

Thank you very much for your letter of October 7th and I will attempt to answer your list of recommendations and comments starting on page 2 of your letter.

1. <u>Container Marking:</u> We have marked the 30 gallon drum that was nearly full at the time of your visit with the lettering "Hazardous Waste". However, no date was put on this drum since I have no way of knowing when the accumulation started.

This drum is nearly full and we have a 55 gallon acceptable drum that has been painted yellow marked "Hazardous Waste" and the start-up date has been placed on the drum.

- 2. We have started a regular inspection of both of the drums and are documenting these inspections.
- 3. A few days after your visit, I received a catalog in the mail with signs and placards and immediately ordered a supply of the 10-1/4" square, red, placards marked "Flammable". These have been received and are on file.
- 4. I have designated one of our foreman to be responsible for the inspections and named him "Emergency Coordinator". He has been given copies of the applicable information as shown in the booklet of administrative regulations that you were kind enough to leave me.
- 5. The day following your visit, I completed the application form for an EPA identification number and sent this on to the attention of John Paul Goetz.

We have been isued EPA ID #KSD007136872.

Jim, I believe that we have complied with all of your recommendations. In addition to this, I have been in contact with Conservation Services, Inc. of Wichita and talked with Mr. Gilbert Perez concerning disposal of the waste that we are generating. I am also contacting Safety-Kleen to discuss with them the possibility of picking these wastes up at the same time they service our parts cleaner which we have on order through Bearing Headquarters in Kansas City.

I do have one question and that is, would we be permitted to accumulate these wastes for a period of longer than ninety days?

Our accumulation is minimal and the cost of disposal would be greatly reduced if we could accumulate this material until we had several drums.

I would appreciate very much hearing from you with any comments that you might have about the outline that we have taken in response to your recommendations and also in answer to my question concerning the accumulation.

With best wishes, I remain,

Sincerely,

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im KARL A, ROMIG gf

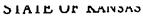
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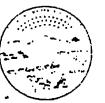
| 3. CITY:       IFERUTINUMPERINES       COUNTY:       IFERUTINUMPERINES       SQ         4. No EPA ID:       Image: County:       Image: | S, OR L   |                                        |            |                                               |                  |            |          |        |          |                  |                  |                    |         |                |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------|------------|-----------------------------------------------|------------------|------------|----------|--------|----------|------------------|------------------|--------------------|---------|----------------|--------------|
| By Ti<br>Pur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HIS REPOR | T:                                     | ERED       | 2 = SAMPLIN                                   | g Inspecti       |            | PECTION  | (CE1)  | 5<br>11  | = Comp<br>= Case | LIANCE<br>Develo | Schedul<br>Pment I | E EVALU | ATION ((<br>ON |              |
| (ENTI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ER ONLY I | F DIFFEREN                             | T FROM 6   | ):                                            | ]]               |            |          |        |          |                  |                  |                    |         |                |              |
| 9. Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AND CLAS  | s of Viola                             | TION (ENT  | ER NUMBER OF                                  | VIOLATIO         | NS BY AR   | EA AND C | LASS): |          |                  | <u> </u>         | <u>-: 4</u>        |         |                |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                        |            |                                               | AREA OF          | VIOLATI    | ON       |        |          |                  |                  |                    |         |                |              |
| VIOLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NOT.      |                                        |            | GEN FAC.                                      | 1                | - <b>(</b> | 1        |        | CL/PCL   |                  | 1                |                    |         |                | OTHER        |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                        |            |                                               | •                | ·          |          |        |          |                  |                  |                    |         |                |              |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                        |            |                                               |                  |            |          |        |          |                  |                  |                    |         |                |              |
| 10. ENVOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RCEMENT A | CTIONS FOR                             | VIOLATIC   | NS:                                           |                  |            |          |        |          |                  |                  |                    |         |                |              |
| AREA OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                        | Туре с     | F ACTION                                      |                  | DATE       | ACTION   | C      | OMPLIANC | e Dates          | s (MDY)          |                    |         |                |              |
| VIOLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                        | Taken (c   | IRCLE ONE)                                    |                  | Taken      | (MDY)    | S      | CHEDULED |                  | ACTUAL           |                    | Assesse | D COLL         | ECTED        |
| 145-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | T. CIN    | INFORMAL<br>INFORMAL                   | WL7NOD     | AO CIVAC<br>AO CIVAC                          | CRIMAC<br>CRIMAC |            | IE2      |        | 1016     | 71 17            | 13,8             | 5                  |         |                |              |
| COMMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Eig       | hty Charac                             | TER. LIMIT |                                               |                  | 1          |          | t      |          |                  |                  |                    |         |                |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | ······································ |            | <u>, , , , , , , , , , , , , , , , , , , </u> | Subs             | TANCIA     |          | mpila  | CF.      |                  |                  |                    |         |                |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                        |            |                                               |                  |            |          |        |          |                  | ······           |                    |         |                | <del>,</del> |

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MIKE HATDEN Governor STANLEY C. GRANT, P Sëcretary





Forbes Field Topeka KS 66620-0001 (913) 862-9360

#### DEPARTMENT OF HEALTH AND ENVIRONMENT Forbes Field Topeka, Kansas 6563(1-000) Phone (913) 296-1500 NON-NOTIFIER INSEECTION REPORT

#### A. GENERAL

| Date <u>Septem</u>   | ber 28, 1987                | Time 2:00 p.m.                   |
|----------------------|-----------------------------|----------------------------------|
| Facility NameGre     | <u>at Western Manufactu</u> | cing                             |
| Street Sou           | th 4th Street               | City Leavenworth, Kansas         |
|                      |                             | rth Phone913-682-2291            |
| Inspector(s)I        | im Eischer                  |                                  |
|                      | Romig                       | Title Plant Supervisor           |
| Nature of Business _ | Fabricates Sleeves          | and sifter for the flour milling |
| • • • • • • • • • •  | industry.                   |                                  |

#### B. INDUSTRIAL WASTE

-

| WASTE:                                       | <b>D</b> - <b>F</b> - <b>b</b> - <b>v N</b> | I                           | Sport Paint                  |
|----------------------------------------------|---------------------------------------------|-----------------------------|------------------------------|
|                                              | Safety-Kleen<br>Solvent                     | Toluene                     | Spent Paint<br>Booth Filters |
| PROCESS:                                     | Parts Cleaning                              | Painting                    | Painting                     |
| IS WASTE HAZARDOUS?                          | · · · · · · · · · · · · · · · · · · ·       |                             |                              |
| (Yes, No, Maybe)                             | Yes                                         | Yes                         | No                           |
| IF YES, GIVE EPA<br>ID #:                    | D001                                        | F005                        | N/A                          |
| IS WASTE EXEMPT DUE<br>TO RECYCLING (261.6)  |                                             |                             |                              |
| AMOUNT GEN. PER MONTH:                       | 17 gallons                                  | Approximately 10<br>Gallons | Varies                       |
| PRESENT DISPOSAL METHOD:                     | Safety-Kleen                                | Dumpster                    | Dumpster                     |
| DISP. AUTH. IN EFFECT?<br>(If yes, give No.) |                                             |                             | No                           |
| AMOUNT NOW IN STORAGE:                       | None                                        | 30 Gallons                  | No                           |
| ACCUMULATION TIME:                           | N/A                                         | 6 Months                    | None                         |
| TYPE OF CONTAINER:                           |                                             | Steel Drum                  | · · ·                        |
| STORAGE CONDS. ADEQUATE?                     |                                             | Yes                         |                              |

| l.        | Total monthly generation rate of known hazardous waste - 22 gal                                                                                                                                                                                                                                                                                                               | lons                      | _                      |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|
| 2.        | Is facility required to notify?                                                                                                                                                                                                                                                                                                                                               | YES                       | ) NU                   |
| ٤.        | If yes, what reason was given for failure to notify?                                                                                                                                                                                                                                                                                                                          |                           |                        |
|           | Was not aware of requirement                                                                                                                                                                                                                                                                                                                                                  |                           |                        |
|           |                                                                                                                                                                                                                                                                                                                                                                               |                           |                        |
| HAZ       | ARDOUS WASTE MANAGEMENT PRACTICES                                                                                                                                                                                                                                                                                                                                             |                           |                        |
| 1.        | Are hazardous wastes or suspected hazardous wastes treated on site?                                                                                                                                                                                                                                                                                                           | YES(                      | ND                     |
|           | If yes, describe the treatment process:                                                                                                                                                                                                                                                                                                                                       |                           |                        |
| 2.        | Are hazardous wastes or suspected hazardous wastes benefically recycled, re-used, or reclaimed?                                                                                                                                                                                                                                                                               | YES                       | NO                     |
|           | If yes, are they, listed                                                                                                                                                                                                                                                                                                                                                      |                           | ch                     |
|           | and is activity, on-sit                                                                                                                                                                                                                                                                                                                                                       | e                         | of                     |
| 3.        | and is activity, on-sit<br>Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have                                                                                                                                                                                                                         | YES                       |                        |
| <b>3.</b> | Are hazardous wastes or suspected hazardous waste presently disposed of on-site?                                                                                                                                                                                                                                                                                              | YES                       |                        |
| 3.        | Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have                                                                                                                                                                                                                                                    | YES                       |                        |
| 3.        | Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have<br>placed in dumpster.                                                                                                                                                                                                                             | YES                       | ) NO                   |
| 3.        | Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have<br>placed in dumpster.<br>a. Have they been in the past?                                                                                                                                                                                           | YES                       | ) NO                   |
| 3.        | Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have<br>placed in dumpster.<br>a. Have they been in the past?                                                                                                                                                                                           | YES<br>been<br>TES        | ) NO                   |
| 3.        | Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have<br>placed in dumpster.<br>a. Have they been in the past?<br>If yes, describe <u>See above</u><br><br>b. If hazardous wastes or suspected hazardous waste are disposed<br>of via the sanitary sewer, has permission from the city been              | YES<br>been<br>TES        | ) NO                   |
| -         | Are hazardous wastes or suspected hazardous waste presently<br>disposed of on-site?<br>Waste solvent and paint wastes have<br>placed in dumpster.<br>a. Have they been in the past?<br>If yes, describe <u>See above</u><br><br>b. If hazardous wastes or suspected hazardous waste are disposed<br>of via the sanitary sewer, has permission from the city been<br>obtained? | YES<br>been<br>TES<br>YES | ) NO<br>9 NO<br>NO<br> |

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#### Summary

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#### Great Western Manufacturing, Inc.

This facility manufacturers sieves and sifters used in the flour industry. The facility was previously located at 208 Choctaw, Leavenworth and moved to their present location approximately one year ago. Wastes generated by the facility include:

- <u>Safety-Kleen Solvent</u> The facility has just signed a contract with Safety-Kleen and will be using one (1) 30-gallon parts washer. The washer will be located in the maintenance shop. Waste solvent was previously disposed in the trash or dumped on the ground.
- <u>Paint/Lacquer Contaminated Toluene</u> The facility has two (2) paint booths. One booth is used to spray clear lacquer on wooden sieve/sifter cases. The other booth is used to spray paint metal components. Toluene is used as paint thinner and for cleaning painting equipment. Paint wastes are being accumulated in a 30-gallon steel drum.

Previously paint wastes were disposed in the dumpster. The generator is in the process of contacting a hazardous waste management facility to pick up the waste thinner.

- 3. <u>Paint Booth Filters</u> Each paint booth contains 28 exhaust filters. Spent filters are disposed of in the dumpster. No heavy metals testing of the spent filters is required as FDA regulations forbid the use of such paints in the food industry.
- 4. <u>Used Oil</u> The facility has one (1) fork lift. Whenever the oil is changed, it is placed in the dumpster for disposal.

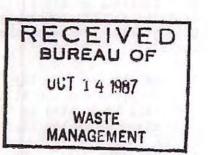
STATE OF KANSAS

DEPARTMENT OF HEALTH AND ENVIRONMENT Forbes Field Topeka, Kansas 66620-0001 Phone (913) 296-1500

Mike Hayden, Governor

October 7, 1987

Mr. Karl Romig Great Western Manufacturing 2017 South Fourth P. O. Box 149 Leavenworth, Kansas 66048



Stanley C. Grant, Ph.D., Secretary

Gary K. Hulett, Ph.D., Under Secretary

Re: Hazardous Waste Compliance Inspection

Dear Mr. Romig:

1 2

On September 28, 1987, a hazardous waste compliance inspection of your facility was conducted by this department to determine compliance with state and federal regulations concerning hazardous waste.

The inspection revealed your facility generates the following hazardous wastes as defined by 40 CFR, Part 261, Subpart C as adopted by K.A.R. 28-31-3:

| Wastes Generated     | Waste Codes |
|----------------------|-------------|
| 1                    |             |
| Safety-Kleen Solvent | D001        |
| Lacquer Thinner      | D001        |
| 1 115                |             |

The quantity generated is more than 25 kilograms (approximately 55 pounds) but less than 1000 kilograms (approximately 2200 pounds) per month. Your facility is considered a Kansas generator and is regulated under K.A.R. 28-31-4 excluding K.A.R. 28-31-4(g) and K.A.R. 28-31-4(m).

As a Kansas generator, you must comply with the requirements outlined in the *Hazardous Waste Generator's Handbook* which was left during the inspection. Basically, these regulations require you to obtain an EPA Identification Number, manifest wastes shipped off-site, package, label, mark, and placard all containers, maintain records, and meet storage requirements. In addition, you must conduct personnel training and meet emergency response requirements.

The inspection identified the following items not in compliance with state and federal regulations concerning generators of hazardous waste:

#### STANDARDS FOR GENERATORS OF HAZARDOUS WASTE

#### Accumulation Time For Kansas Generators

1. <u>Container Marking</u>: Each container or tank must be marked clearly with the words "Hazardous Waste" and the accumulation start date in accordance with K.A.R.28-31-4(h)(1)(C and D).

The inspection revealed that your one (1) thirty (30) gallon drum of accumulated paint waste was not marked as required.

2. <u>Container Inspection</u>: A generator of a hazardous waste who accumulates such wastes in containers on site without a permit or without having interim status, for a period of (90) days or less, must inspect their containers for signs of leakage or corrosion and, in addition, these inspections must be documented. Refer to K.A.R. 28-31-4(g)(1) and (k).

The inspection revealed that you are not conducting documented weekly inspections of your hazardous waste storage container as required.

On the date of the inspection you were provided a sample weekly inspection log which you may modify for your respective requirements.

3. <u>Placarding</u>: The generator of a hazardous waste has the responsibility to offer the initial transporter the appropriate placards according to U.S. Department of Transportation regulations. Refer to K.A.R. 28-31-4(e)(4).

The inspection revealed that you do not have "Flammable" placards as required.

On the date of the inspection we discussed the sources for placards and the type of placarding required.

4. <u>Personnel Training</u>: Personnel training and emergency response requirements pertaining to Kansas generators must be followed as outlined in K.A.R. 28-31-4(h)(1)(E thru G) and (h)(2)(A thru E).

On the date of the inspection you were provided with a copy of the Personnel Training and Emergency Response Requirements.

#### EPA IDENTIFICATION NUMBERS

5. Notification: All Kansas and EPA generators shall apply for and obtain an EPA identification number from the department prior to generating, transporting, or treating. storing, disposing, offering for transportation, hazardous waste. A generator who has not received an EPA identification number may obtain one by applying to the department using a form supplied by the department. Whenever there is a change in the information originally submitted to obtain an EPA identification number, The generator shall update that information. These changes shall be submitted to the department on a form supplied by the department. K.A.R. 28-31-4 (c) (1).

The inspection revealed that you have not applied for and obtained an EPA Identification Number as required.

Great Western Manufacturing October 7, 1987 Page 4

> On the date of the inspection you were provided with a Hazardous Waste Notification Form. This form must be completed and submitted to the address shown, attention: John Paul Goetz.

Please take action to correct these deficiencies by November 10, 1987. Please notify our department in writing when corrected and please identify the corrective action(s) for each deficiency noted.

Safety-Kleen is currently picking up your waste solvent for recycling. This disposal method is satisfactory. You are in the process of arranging for a hazardous waste management facility to pick up your paint wastes. Until arrangements are made to pick up your paint wastes, you must accumulate these wastes on-site in an appropriately marked container. Please provide our department with a copy of the hazardous waste shipping manifest documenting shipment of these wastes.

Your cooperation with the hazardous waste management program is appreciated. If you have questions concerning this letter, please call me at the Northeast District Office in Lawrence at 913/842-4600.

Respectfully,

Jim Fischer Environmental Technician Inspections and Enforcement Section Bureau of Waste Management

JF:jkh (gwm#2.jf)

c: Tom Gross John Paul Goetz NEDO

|                                                                   |               |                   |                   |            | •            | er ID: 06684                        | Fooil         | ity ID:      | 20           | 434       | 5        |     |
|-------------------------------------------------------------------|---------------|-------------------|-------------------|------------|--------------|-------------------------------------|---------------|--------------|--------------|-----------|----------|-----|
| 12/16 UST004                                                      | KDH           | E Refe            | rence             | No:        | Owne         | er ID: <u>0000</u>                  | Facil         | יטו אווי.    | 1            | 1         |          | •   |
| Underground Storage T<br>To be completed when repair              | ank C         | omp               | lianco<br>s finis | e ver      | mcai         | .011                                | 14            | 314          | Vali         | , G/19    |          |     |
| Submit to: Kaneas Departs                                         | mont n        | f Heali           | th and            | i Envir    | onmer        | nt                                  |               |              | 5-296-8      |           |          |     |
| Dumant of Could                                                   | ronmat        | stal Ré           | modi              | ation_9    | Storad       | e Tank Section                      | Fax#          | 785          | 5-559-4      | 1260      |          |     |
| Bureau of Erivit<br>1000 SW Jacks<br>Facility Name:               | son, Su       | ແe 41<br>ໂ. ໂ. ໂ. | <b>U</b> , IO     | река,      | N3 00        | 012-1307                            |               |              |              |           |          |     |
| Coolling Addreson 100                                             | 4 6/9         | ~                 |                   |            |              |                                     | Stat          | e: <u>FS</u> | Z            | ip: 66    | 018      |     |
| Complete only the information                                     | n perta       | ining t           | o the a           | approv     | ved wo       | ork on the repair or upgrade/r      | <u>nodifi</u> | cation       | applic       | ation,    |          |     |
| KDHE Tank/Line#                                                   | 003           |                   |                   |            | L            | KDHE Tank/Line#                     |               | <u> </u>     |              |           | L        |     |
| Standby Tank (yes/no)                                             | <u> </u>      |                   |                   |            |              | Tank Corrosion Protectio            |               | lest D       |              |           |          |     |
| Tank Release Detection T                                          | est Da        | te:               | r                 | γ <u> </u> |              | Repair to Existing Cath. Pro        | otectio       | on? Ye       | es:          | No:       |          |     |
| Interstitial Monitor DW                                           |               |                   | <br>              | <u> </u>   |              | Sacrificial Anodes                  | <u> </u>      |              | <b>_</b>     |           |          |     |
| Statistical Inventory Recon.                                      | ļ             |                   |                   |            |              | Impressed Current                   | <u> </u>      |              | <u> </u>     |           |          |     |
| Tightness Testing                                                 |               |                   |                   | ļ          | <u> </u>     | No. of Anodes Replaced              | <u> </u>      | <u> </u>     | R            | 50 6      |          |     |
| Manual Tank Gauging                                               | <u> </u>      | ┞                 |                   |            |              | No. of Anodes Added                 | ┣──-          |              |              | -17 S     | CAN      | NEI |
| Automatic Tank Gauging                                            | ┢───          |                   |                   |            |              | Repair to Rectifier                 |               |              |              |           |          |     |
| Other:                                                            | 1             | Ĺ                 | L                 | <u> </u>   | L            | Repair to CP wiring                 |               | ┟───         |              | A18 1     | 2 20     | 9   |
| Dispenser Number:                                                 | Mant          | :<br>             | r                 |            | 1            | Interior Lining                     | L             |              | <u> </u>     |           | 1        |     |
| Pressure                                                          |               |                   |                   | ļ          |              | Interior Lining Installation/In     | specti<br>I   | ion Da<br>T  | te:          |           | I        |     |
| Safe Suction                                                      |               |                   | <u> </u>          |            | <u> </u>     | Other:<br>Line Corrosion Protection |               | nt Dot       | L            | L         | i        |     |
| Conventional Suction                                              | <br>T         |                   |                   |            | <u> </u>     |                                     |               |              |              | No:       |          |     |
| Piping Release Detection                                          | lest          | Date:             | <u> </u>          | <u> </u>   | 1            | Repair to Existing Cath. Pro        |               |              | <u></u>      | 110.      | <u> </u> |     |
| Statistical Inventory Recon.<br>Tightness Testing                 |               |                   | <u> </u>          |            | <u> </u>     | Impressed Current                   |               |              |              |           |          |     |
| Interstitial Monitor (sump)                                       | +             |                   |                   | +          |              | No. of Anodes Replaced              |               |              |              |           |          |     |
| Automatic Line Monitor                                            |               |                   | ├                 | ╉───       | +            | No. of Anodes Added                 |               |              |              |           |          |     |
| Other:                                                            |               |                   | <u> </u>          | ┼───-      | <u> </u>     | Repair to Rectifier                 |               |              |              |           |          |     |
| Pressure Line Rel. Det. Te                                        | st Dat        | L                 | L                 | - <u> </u> | L            | Repair to CP wiring                 | 877 P         |              |              |           |          |     |
| Mechanical Leak Detector                                          |               | Ī                 | <u> </u>          |            | T            | Other:                              | 1XE           | ICE.         | HVI          | ***** ( ) |          |     |
| Continuous Alarm w/shutoff                                        |               |                   | 1                 |            | <u> </u>     | Flex Connectors:                    | L             | 1            |              | BOI 0.000 | L        |     |
| Automatic Line Monitor                                            |               |                   | 1                 |            |              | Tank (STP)                          | 10            | NO           | \$ 20        | 19        |          |     |
| Positive Shutoff                                                  |               |                   |                   |            |              |                                     |               |              |              |           |          |     |
| STP Sump Sensor                                                   |               |                   |                   |            |              | Sacrificial Anodes ENV              | RONA          | BURE7        | U OF<br>REME |           |          |     |
| Dispenser Sump Sensor                                             |               |                   | 1                 | <u> </u>   | <u> </u>     | Wrapped                             | μιοιγγγ       | ENTAL        | REME         | DIATIC    | N        |     |
| Other:                                                            |               |                   |                   |            |              | Booted                              | -             |              |              |           |          |     |
| Pump and Dispenser Conta                                          | ainme         | nt                |                   |            |              | Isolated from Soil                  |               |              |              |           |          |     |
| Submersible Pump Pan                                              |               |                   |                   |            |              | impressed Current                   |               |              |              |           |          |     |
| Dispenser Pan                                                     |               |                   | L                 | <u> </u>   |              | Line Repair Test                    | Date          | :            |              |           |          |     |
| Transition Sump                                                   |               | Ľ                 | <u> </u>          |            |              | Fiberglass                          |               |              |              |           |          |     |
| Submersible Pump                                                  | 1/            |                   | 1_1               | 1          |              | Flexible Nonmetallic                |               |              |              |           |          |     |
| STP(Submersible Pump)                                             | (R)           | Ked               | <u>  Syn</u>      | bn [       | et           | Double Wall                         |               |              |              |           |          |     |
| Other:                                                            | N             |                   | [ ] <sup>r</sup>  |            | $\mathbb{Z}$ | Line Manufacturer:                  |               |              |              |           |          |     |
| Spill Prevention Me                                               | odel 🖡        |                   |                   |            |              | Length Installed (Feet)             |               |              |              |           |          |     |
| Spill Buckets                                                     |               |                   | I                 |            |              | Other:                              |               |              |              |           |          |     |
| Overfill Prevention M                                             | <u>odel #</u> | ;                 | r                 | <u></u>    |              | District Inspection                 |               |              |              |           |          |     |
| Overfill Shutoff Device                                           | <u> </u>      | <b> </b>          | <b> </b>          | ļ          |              | Contacted District Office           | <u> </u>      | es:          | N            | lo:       |          |     |
| Overfill Shutoff with Drop Tube                                   | <u> </u>      | <b> </b>          | <u> </u>          | <b> </b>   |              | Inspection Date:                    |               |              |              |           |          |     |
| Audible Overfill Alarm                                            | <u> </u>      |                   |                   | <u> </u>   | <b> </b>     | Fix Inspection Deficiencies         |               |              |              |           |          |     |
| Ball Float Valve                                                  | <u> </u>      | ļ                 | ļ                 | <b> </b>   | <b> </b>     | Drop Tubes                          |               |              |              |           |          |     |
| Oath: I certify that the information                              |               | L                 |                   | <u> </u>   | <u> </u>     | 1                                   | Ļ             |              |              |           |          |     |
| Oath: I certify that the information a KDHE Licensed installer SI | noove co      | ncern             | ug con            | pliance    | with te      | chnical standards is true to the b  | not of n      | ny bellei    | f and kn     | iow led   | ge,      |     |

6/4/19 Nosed

PP 10/12/19

(e)11/19

Division of Environment Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

t

Lee A. Norman, M.D., Secretary



Phone: 785-296-1678 Fax: 785-559-4260 www.kdheks.gov

Laura Kelly, Governor

June 4, 2019

Mr. Jordan Burghart I1274 Haselwood, Inc. 504 Applewood Dr. Manhattan, KS 66503

## Re: Approved UST Repair Notification (UST009) Form: Casey's #2826, 2100 S. 4<sup>th</sup> St., Leavenworth, KS 66048 (Fac. ID #30435)

Dear Mr. Burghart:

I have reviewed and approved the "UST Repair Notification (UST009)" form for the underground storage tanks at the above referenced facility. The notification reports work to replace the syphon jet on U003.

K.A.R. 28-44-15 (b) (1) authorizes Licensed UST Contractors to make repair applications by telephone if the repair is essential to protect public health and the environment. In addition to using the telephone, Contractors may make contact with KDHE by fax or email when a repair is deemed necessary. Should repairs be made during non-work hours or on the weekend, the Contractor must make contact with KDHE on the first workday following that repair. After notifying KDHE of the repair, Contractors may submit the Repair Notification (UST009) forms up to 30 days following the completion of the work.

Please complete and return the following forms, failure to do so is a violation of K.A.R. 28-44-15:

• "UST Compliance Verification (UST004)" form to be filed after the work is completed. (Received on 6/4/2019)

KDHE has received the required forms and considers the application closed. Finally, if you have not already done so, arrange for a facility inspection with the nearest KDHE District Office. Thank you for your continued cooperation. Sincerely,

Enne John

Sean Kammerlohr Environmental Associate KDHE-BER-Storage Tank Section

SDK: RA PC: (owner/operator), KDHE-NEDO, file

|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      |                                                                                                     | 6011                                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
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| 3/18 UST009                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                        | KDHE Reference N                                                                                                                                                                                                                                                                     |                                                                                                     | SS ( Encl                                                                   | 593                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| Solo UST009                                                                                                                          | 116                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                             | ity iD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                      | UST Repair Notification<br>(Petroleum Products and Hazardous Substances)                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                                                                                      | (Perok                                                                                                                                                                                                                                                                                                                                                                                                 | Buill Floudels and Hazaldous ou                                                                                                                                                                                                                                                      | botanoody                                                                                           |                                                                             | ())))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Submit to:                                                                                                                           | Kansas Department of Healt                                                                                                                                                                                                                                                                                                                                                                             | h and Environment                                                                                                                                                                                                                                                                    |                                                                                                     | KDHE USE                                                                    | ONLY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Bureau of Environmen                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        | mediation                                                                                                                                                                                                                                                                            | State of Kansas - Division of Environment                                                           |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| Storage Tank Section                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      | APPROVED                                                                                            |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                                                                                      | 1000 SW Jackson, Suite 410                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                      | When const                                                                                          |                                                                             | rm with Art. 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                                                                                      | Topeka KS 66612-1367<br>Phone: 785 296-8061                                                                                                                                                                                                                                                                                                                                                            | Fax: 785 559-4260                                                                                                                                                                                                                                                                    | Date: <u>6/4</u>                                                                                    | 4/19                                                                        | 11 11=                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                      | Fnone: 785 290-8001                                                                                                                                                                                                                                                                                                                                                                                    | 1 0.1.100 000-4200                                                                                                                                                                                                                                                                   | By: Nua                                                                                             | n/ Jan                                                                      | MA NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| If any work in                                                                                                                       | volves upgrading or modifying the                                                                                                                                                                                                                                                                                                                                                                      | system, use the                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| UST Upgrad                                                                                                                           | e/Modification Application. Use                                                                                                                                                                                                                                                                                                                                                                        | THIS form only if work rep                                                                                                                                                                                                                                                           | laces parts in                                                                                      | kind, or if a c                                                             | athodic protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
| system is bei                                                                                                                        | ng repaired.                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| Please Print Clea                                                                                                                    | infy or Type                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
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|                                                                                                                                      | acility Name:                                                                                                                                                                                                                                                                                                                                                                                          | tt allaro                                                                                                                                                                                                                                                                            |                                                                                                     | Kc                                                                          | liade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| B. Fa                                                                                                                                | acility Address: 21 05 5. (street)                                                                                                                                                                                                                                                                                                                                                                     | utter he                                                                                                                                                                                                                                                                             | (city)                                                                                              | (state)                                                                     | <u>(zip)</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| II. Tank Owr                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      | (City)                                                                                              | (otato)                                                                     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
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|                                                                                                                                      | wner Name: <u>(aSeys Retai</u><br>wner Address: <u>Po Box 3001</u>                                                                                                                                                                                                                                                                                                                                     | ne concluse way                                                                                                                                                                                                                                                                      | Anker                                                                                               | 11/ IA                                                                      | 1 5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                                                                                                      | (street)                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      | (city)                                                                                              | (state                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| C. C                                                                                                                                 | ontact Person: <u>Jill Reans</u>                                                                                                                                                                                                                                                                                                                                                                       | Widder                                                                                                                                                                                                                                                                               | Pho                                                                                                 | ne: ()                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| В. С<br>С. С                                                                                                                         | ontractor Name: <u>Hose/Wood</u><br>ontractor Address: <u>Sou App</u><br>(street)<br>ontact Person: <u>Ed</u> <u>Hose (Wood</u>                                                                                                                                                                                                                                                                        | newood dr.                                                                                                                                                                                                                                                                           | se No. & Exp.                                                                                       | (city)                                                                      | / <u>/ 5</u> 665<br>(state) (zlp)<br>5) 6 30 - 03 9 G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| E                                                                                                                                    | mail edge hose wood - Inc.                                                                                                                                                                                                                                                                                                                                                                             | <u>con</u> Fax: (1/1,A)                                                                                                                                                                                                                                                              | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~                                                                   |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
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|                                                                                                                                      | ank or Line Nos. to be repaired:<br>escribe the repairs to be done. At                                                                                                                                                                                                                                                                                                                                 | tach manufacturer's repair                                                                                                                                                                                                                                                           | instructions if                                                                                     | applicable:                                                                 | ·•                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|                                                                                                                                      | Macard Synhon Test i                                                                                                                                                                                                                                                                                                                                                                                   | Decal Card )                                                                                                                                                                                                                                                                         | STD Daw                                                                                             |                                                                             | Co. time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|                                                                                                                                      | placed sylphan Ucu                                                                                                                                                                                                                                                                                                                                                                                     | n Dieser (203)                                                                                                                                                                                                                                                                       | 21 F/ Jug                                                                                           | ed oil T                                                                    | for time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      | ···                                                                                                 |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                                                                                      | escribe reason for repairs: <u>fail</u>                                                                                                                                                                                                                                                                                                                                                                | a his a hat                                                                                                                                                                                                                                                                          |                                                                                                     |                                                                             | ·····                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| B. D                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| B. D                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| B. D                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                                                                                      | re tanks to be taken out of service                                                                                                                                                                                                                                                                                                                                                                    | because of this proposed                                                                                                                                                                                                                                                             | repair? Yes                                                                                         | Not                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                                                                                                      | re tanks to be taken out of service<br>ave tank or line failures lead to thi                                                                                                                                                                                                                                                                                                                           | because of this proposed<br>s proposed repair? Yes _                                                                                                                                                                                                                                 | repair? YesNo                                                                                       | _Not                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
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|                                                                                                                                      | re tanks to be taken out of service<br>ave tank or line failures lead to thi                                                                                                                                                                                                                                                                                                                           | because of this proposed<br>s proposed repair? Yes                                                                                                                                                                                                                                   | _`No                                                                                                |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| C. A<br>D. H<br>E. If                                                                                                                | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please brid                                                                                                                                                                                                                                                | because of this proposed<br>s proposed repair? Yes<br>orted?<br>efly describe the incident: _                                                                                                                                                                                        | No                                                                                                  |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| C. A<br>D. H<br>E. If<br>F. Is                                                                                                       | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please brid<br>this facility in the State Trust Fund                                                                                                                                                                                                       | because of this proposed<br>s proposed repair? Yes<br>orted?<br>efly describe the incident: _                                                                                                                                                                                        | No                                                                                                  |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| C. A<br>D. H<br>E. If<br>F. Is<br>V. System To                                                                                       | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please brid<br>this facility in the State Trust Fund<br>est:                                                                                                                                                                                               | because of this proposed<br>is proposed repair? Yes<br>orted?<br>efly describe the incident: _<br>for environmental cleanup                                                                                                                                                          | No<br><br>? Yes                                                                                     | No                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| C. A<br>D. H<br>E. If<br>F. Is<br><b>V. System T</b> e<br>A. A 1                                                                     | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please brid<br>this facility in the State Trust Fund<br>est:<br>ightness test must be performed v                                                                                                                                                          | because of this proposed<br>is proposed repair? Yes<br>orted?<br>efly describe the incident: _<br>for environmental cleanup<br>vithin thirty (30) days if repa                                                                                                                       | No                                                                                                  | No                                                                          | the UST system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| C. A<br>D. H<br>E. If<br>F. Is<br><b>V. System T</b> o<br>A. A t<br>routinely cont<br>monitoring de                                  | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please bric<br>this facility in the State Trust Fund<br>est:<br>ightness test must be performed v<br>ain fuel. Only that portion of the s<br>vice may be substituted for a tight                                                                           | because of this proposed<br>is proposed repair? Yes<br>orted?<br>efly describe the incident:<br>for environmental cleanup<br>vithin thirty (30) days if repa<br>system repaired must be te<br>tness test. Test method us                                                             | No<br>?Yes<br>alrs were done<br>sted. A printou<br>red;                                             | No<br>to portions of<br>it from an auto                                     | the UST system to<br>omated monthly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| C. A<br>D. H<br>E. If<br>F. Is<br><b>V. System T</b><br>A. A f<br>routinely cont<br>monitoring de<br>B. If                           | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please bric<br>this facility in the State Trust Fund<br>est:<br>Ightness test must be performed v<br>ain fuel. Only that portion of the s<br>vice may be substituted for a tight<br>he cathodic protection system has                                      | because of this proposed<br>s proposed repair? Yes<br>orted?<br>efly describe the incident:<br>for environmental cleanup<br>vithin thirty (30) days if repa<br>system repaired must be te<br>thess test. Test method us<br>been repaired, a system to                                | No<br>? Yes<br>airs were done<br>sted. A printou<br>sed:<br>est must be per                         | No<br>to portions of<br>it from an auto<br>formed within                    | the UST system for the UST system for the UST system for the system of t |  |  |
| C. A<br>D. H<br>E. If<br>F. Is<br>V. System To<br>A. A f<br>routinely cont<br>monitoring de<br>B. If<br>Impressed cu                 | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please bric<br>this facility in the State Trust Fund<br>est:<br>Ightness test must be performed v<br>ain fuel. Only that portion of the s<br>vice may be substituted for a tight<br>he cathodic protection system has<br>rrent cathodic protection systems | because of this proposed<br>s proposed repair? Yes<br>orted?<br>efly describe the incident:<br>for environmental cleanup<br>vithin thirty (30) days if repa<br>system repaired must be te<br>thess test. Test method us<br>been repaired, a system to                                | No<br>? Yes<br>airs were done<br>sted. A printou<br>sed:<br>est must be per                         | No<br>to portions of<br>it from an auto<br>formed within                    | the UST system for the UST system for the UST system for the system of t |  |  |
| C. A<br>D. H<br>E. If<br>F. Is<br>V. System To<br>A. A f<br>routinely cont<br>monitoring de<br>B. If<br>Impressed cu<br>VI. Applican | re tanks to be taken out of service<br>ave tank or line failures lead to thi<br>If yes, to whom was the leak rep<br>failures have occurred, please bric<br>this facility in the State Trust Fund<br>est:<br>Ightness test must be performed v<br>ain fuel. Only that portion of the s<br>vice may be substituted for a tight<br>he cathodic protection system has                                      | because of this proposed<br>s proposed repair? Yes<br>orted?<br>efly describe the incident:<br>for environmental cleanup<br>within thirty (30) days if repa<br>system repaired must be te<br>iness test. Test method us<br>been repaired, a system te<br>must also be inspected with | NoYes<br>?Yes<br>airs were done<br>sted. A printou<br>red:<br>pest must be per<br>thin sixty (60) o | No<br>to portions of<br>it from an auto<br>formed within<br>lays of repair. | the UST system<br>omated monthly<br>six months of rep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |

1

compliance with the manufacturers' repair instructions if applicable. The repair will be performed in compliance with all federal, state, and local regulations.

1274 (Date) Contractor's Signature

Division of Environment Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

Lee A. Norman, M.D., Secretary



Phone: 785-296-1678 Fax: 785-559-4260 www.kdheks.gov

Lauro Kelly, Governor

May 20, 2019

KDHE District NE Owner ID: 06884 CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE has issued your 2018/2019 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. However, since the printing of your UST permits, the USTs have fallen out of compliance. KDHE will not print 2019/2020 UST Operating Permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

KDHE has not received the latest results of your most current ALM, LLD, or MLD function test (s) for tank number(s): 001, 002, 003. Federal and KDHE regulations require the ALM, LLD, or MLD be tested annually.

Your current 2018/2019 UST permits will expire on July 31, 2019. If you plan on operating your USTs after July 31, 2019, you are required to bring your tanks into compliance with KDHE UST regulations to receive your 2019/2020 permits. If you have any questions concerning this letter or if you would like to discuss your options to bring your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Meerian Environmental Program Administrator I Storage Tank Section

#### Kansas Department of Health and Environment 2019 UST Annual Registration and Permit Renewal Notice and the Emergency Planning and Community Right To Know Act Special UST Tier II Form

## REVIEW AND UPDATE THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR \*\*\*\*PAYMENT BEFORE APRIL 30, 2019. \*\*\*\*

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank(s) registered at the Facility listed below. A total of **\*\*** <u>\$30.00</u>\*\* must be submitted to KDHE at the address below with this **\*\*RENEWAL NOTICE**\*\*

| Owner<br>Owner ID: 06884<br>CASEY'S RETAIL COMPANY<br>PO BOX 3004, ONE CONVENIENCE BLVD<br>ANKENY, IA 50021 |                                                |                                           | Facility<br>Facility ID: 30435<br>CASEY'S GENERAL STORE - #2826<br>2100 S. 4TH STREET<br>LEAVENWORTH, KS 66048 |                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Tank Number                                                                                                 | U001                                           | U002                                      | U003                                                                                                           |                                                                                                                               |
| Status of Tank                                                                                              | In Use                                         | In Use                                    | In Use                                                                                                         |                                                                                                                               |
| Exempt?                                                                                                     | No                                             | No                                        | No                                                                                                             |                                                                                                                               |
| Year Installed                                                                                              | 2009                                           | 2009                                      | 2009                                                                                                           |                                                                                                                               |
| Capacity (Gallons)                                                                                          | 20,000                                         | 12,000                                    | 8,000                                                                                                          |                                                                                                                               |
| Product Stored                                                                                              | Gas Unleaded Regular                           | Gas Unleaded Premium                      | Diesel Clear                                                                                                   |                                                                                                                               |
| CAS Number                                                                                                  | 8006-61-9                                      | 8006-61-9                                 | 68476-34-6                                                                                                     |                                                                                                                               |
| Tank Release Detection                                                                                      | ATG                                            | ATG                                       | ATG                                                                                                            |                                                                                                                               |
| Model / Service                                                                                             | Veeder Root TLS-350                            | Veeder Root TLS-350                       | Veeder Root TLS-350                                                                                            |                                                                                                                               |
| Dispenser Type                                                                                              | Pressure                                       | Pressure                                  | Pressure                                                                                                       |                                                                                                                               |
| ALM/LLD/MLD                                                                                                 | ALM                                            | ALM                                       | ALM                                                                                                            |                                                                                                                               |
| Line Release Detection                                                                                      | ALM                                            | ALM                                       | ALM                                                                                                            |                                                                                                                               |
| Model / Service                                                                                             | Veeder Root TLS-350                            | Veeder Root TLS-350                       | Veeder Root TLS-350                                                                                            |                                                                                                                               |
| Financial Responsibility                                                                                    | SI 08/30/2019                                  | SI 08/30/2019                             | SI 08/30/2019                                                                                                  |                                                                                                                               |
| Underground Storage 7<br>If any of the above informat                                                       | Tank Permanent Ab<br>tion is not correct, such | andonment (UST00<br>as the Owner's Mailin | 8) form to KDHE.                                                                                               | sed remover has submitted an<br>mation related to the storage tanks system,<br>pent. If an incorrect owner mailing address is |

provide a written description of any needed changes on this form and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. FAILURE TO COMPLETE THIS RENEWAL FORM AND SUBMIT IT WITH THE APPROPRIATE FEES PRIOR TO APRIL 30, 2019 WILL PREVENT YOU FROM OBTAINING THE REQUIRED PERMITS BEFORE JULY 31, 2019.

| Certification of Accuracy      |               |                 |  |  |
|--------------------------------|---------------|-----------------|--|--|
| Owner Contact Person (print na | me):          | Facility Phone: |  |  |
| JILL REAMS-WIDDER              |               | 913-651-1303    |  |  |
| Owner Signature:               |               | Date: 4/4/19    |  |  |
| 24-Hour Contact Name:          | ' Cell Phone: | 24-Hour Phone:  |  |  |
| JILL-REAMS-WIDDER              |               | 515-965-6238    |  |  |

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 \* Please direct questions concerning the underground storage tank program to 1-877-221-0325. The storage tank program website can be found at: http://www.kdheks.gov/tanks/index.html

\* Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs can be found at: http://www.kansastag.gov/KDEM.asp?PageID=158 (Click on County Emergency Managers)

Please retain a copy of this renewal notice for your records. BUREAU CF Send a copy to your Local Emergency Planning Comnitive (s) HAL REMEDIATION

100712196

APR 0 8 2019

RECEIVED

Division of Environment Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

Lee A. Norman, M.D., Secretary



Phone: 785-296-1678 Fax: 785-559-4260 www.kdheks.gov

Laura Kelly, Governor

April 29, 2019

KDHE District NE Owner ID: 06884 CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

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KDHE has not received the latest results of your most current ALM, LLD, or MLD function test (s) for tank number(s): 001, 002, 003. Federal and KDHE regulations require the ALM, LLD, or MLD be tested annually.

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Sincerely,

Marcus Meerian Environmental Program Administrator I Storage Tank Section

| KANSAS DEPARTI                                         | IENT (  | OF HE    | ALTH    | & EN          | VIRO                   | NMEN                                             | NT FACILITY COMPLIANCE INSPECTION CHECKLIST                    |  |  |  |  |
|--------------------------------------------------------|---------|----------|---------|---------------|------------------------|--------------------------------------------------|----------------------------------------------------------------|--|--|--|--|
| Ownership of Tank(s)                                   |         |          |         |               |                        |                                                  | Location of Tank(s)                                            |  |  |  |  |
| Owner ID: 06884                                        |         |          |         |               |                        |                                                  | Facility ID: 30435                                             |  |  |  |  |
| Owner Name: Casey's                                    |         |          | Corr    | 1001          | 1.6                    |                                                  | Facility Name: Casey's General Store #2826                     |  |  |  |  |
| Address: PO BOX 3004,                                  |         |          |         | •             |                        |                                                  | Address: 2100 S. 4th Street                                    |  |  |  |  |
|                                                        | IA .    |          |         | 500           |                        |                                                  | city: Leavenworth Zip: 66048                                   |  |  |  |  |
| Contact Person: Jill Ream                              |         | rlder    |         |               |                        |                                                  | Contact Person: Same Ph:                                       |  |  |  |  |
|                                                        |         |          |         |               | -                      |                                                  | '4-8-17                                                        |  |  |  |  |
| KDHE Tank/Line No.                                     | 001     | 002      | 003     | •             | *                      | -                                                | KDHE Tank/Line No. 00 00 2 00 3                                |  |  |  |  |
| In Use (Y / N)                                         | Y       | Y        | Y       | 1             | 2                      | 2                                                | Temporary Permit (Y/N)                                         |  |  |  |  |
| Stand-by Tank (Y/N)                                    | И       | К        | N       | $\sum$        | 5                      | 5                                                | Regular Permit (Y/N) Y Y Y > > >                               |  |  |  |  |
| Temporary Out (Y/N)                                    | N       | N        | И       | $\geq$        | 5                      | 5                                                | Tank Construction                                              |  |  |  |  |
| Abandoned (Y/N)                                        | И       | N        | N       | $\mathbf{i}$  | $\left  \right\rangle$ | 5                                                | Fiberglass (Single/DW) 🗙 🗶 🗶 🏒 🯒                               |  |  |  |  |
| Product Stored                                         | gas     | gas      | die     | (             | 1                      | (                                                | Steel Clad with Fiberglass                                     |  |  |  |  |
| Tank Release Detection                                 |         | <u> </u> | •       |               |                        | •                                                | Steel                                                          |  |  |  |  |
| Automatic Tank Gauging                                 | X       | X        | X       | 1             | /                      | 1                                                | Corrosion Protection - Tanks                                   |  |  |  |  |
| Interstitial Mon. DW Tank                              | -       | *        | -       | $\sum$        | 2                      | 5                                                | Internal Lining                                                |  |  |  |  |
| Manual Tank Gauging                                    |         | •        |         | $\sum$        | $\sum$                 | 5                                                | Impress Current Cathodic · · · · · · · · · · · · · · · · · · · |  |  |  |  |
| Statistical Inv. Recon.                                | -       | •        | -       | 7             | 2                      | $\sum$                                           | Sacrifical Anode Cathodic                                      |  |  |  |  |
| Vapor Monitoring                                       | -       | •        | •       | $\overline{}$ | $\overline{)}$         | 5                                                | Internal Lining Inspection Date: na ENVIRONMENTAL RENEDIAT     |  |  |  |  |
| Observation Tubes (Y/N)                                | Y       | Y        | Y       | 2             | 1                      | 1                                                | Cathodic Protection Test Date: 10 APR 0 9 2019                 |  |  |  |  |
| Inventory Control (Y/N)                                | Y       | Y        | Υ       | $\sum$        | $\sum$                 | $\sum$                                           | Line Construction                                              |  |  |  |  |
| Drop Tubes (Y/N)                                       | Y       | Y        | Y       | $\rightarrow$ | $\overline{}$          | >                                                |                                                                |  |  |  |  |
| Dispenser Type                                         |         |          |         |               |                        |                                                  | Fiberglass (Single/DW)                                         |  |  |  |  |
| Conventional Suction                                   | •       |          | •       | 1             | 1                      | <                                                | Flexible Non-metallic X X X Z Z Z                              |  |  |  |  |
| Pressure                                               | X       | X        | X       | Σ             | Σ                      | Ζ                                                | Steel - · · · / / /                                            |  |  |  |  |
| Safe Suction                                           | •       | -        | 1       | $\rightarrow$ | 7                      | 7                                                | Corrosion Protection - Lines                                   |  |  |  |  |
| Pressure Piping Release D                              | etectio | n        |         |               |                        |                                                  | Impress Current Cathodic - · · · / / /                         |  |  |  |  |
| Automatic Line Monitor                                 | X       | X        | X       | 1             | 2                      | 2                                                | Sacrifical Anode Cathodic                                      |  |  |  |  |
| Interstital Monitoring                                 | •       | •        | •       | 2             | 2                      | Σ                                                | Cathodic Protection Test Date:                                 |  |  |  |  |
| Statistical Inv. Recon.                                | -       | •        | •       | ζ             | 2                      | ζ                                                | Flex Connectors (CP,Wrapped,Boot, Isolated)                    |  |  |  |  |
| Tightness Testing                                      | -       | •        | •       | 7             | 7                      |                                                  | Dispenser (CP,W,B,I)                                           |  |  |  |  |
| Line Tightness Test Date:                              | 6       | - 5-2    | 2000    |               |                        |                                                  | Sub Pump (CP,W,B,I)                                            |  |  |  |  |
| Automatic Line Monitor Function Check Date: 3-) 4・2018 |         |          |         | 3-)2          | 1.20                   | Flex Connector Cathodic Protection Test Date: NQ |                                                                |  |  |  |  |
| Mechanical Leak Detector                               | Functio | on Che   | ck Date | :             | a                      |                                                  |                                                                |  |  |  |  |

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|-----------|-------------|
| Owner ID: | 06884       |

\_\_\_\_\_

Facility ID: \_\_\_\_\_30435

| KDHE Tank/Line No.                                                                                      | 00                                                     | 002                  | <i>c</i> o3                    | *                         | -                      | -                       | KDHE Tank/Lin            | ne No.           | 001      | 00 2     | 00 3                    | -       | •                                     | •                      |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------|--------------------------------|---------------------------|------------------------|-------------------------|--------------------------|------------------|----------|----------|-------------------------|---------|---------------------------------------|------------------------|
| Pressure Lines Release Detec                                                                            | tion                                                   |                      |                                |                           |                        | _                       | Spill Prevention         | n                | (W-Wa    | ter,P-P  | roduct,[                | )-Debri | s)                                    |                        |
| Automatic Line Monitor                                                                                  | X                                                      | X                    | X                              | 4                         | 2                      | 2                       | Sp <u>ill</u> Buckets (Y | /N)              | Y        | Y        | Y                       | 2       | 2                                     | 2                      |
| Mechanical Leak Detector                                                                                | •                                                      | ,                    | •                              |                           | 4                      | 3                       | Clean (Y/W/P/D           | )                | <u>ພ</u> | ພ        | $\omega$                | 2       | 2                                     | 2                      |
| Interstitial Sensor - Dispenser                                                                         | •                                                      | 4                    | •                              | $\leq$                    | $\left  \right\rangle$ | $\leq$                  | Repair/Replace           | (Y/N)            | N        | N        | N                       | $\leq$  | <u> </u>                              | $\left  \right\rangle$ |
| Interstitial Sensor - Sump                                                                              | •                                                      | •                    | -                              |                           | /                      | 1                       | Remote Fill (Y/N         | N)               | 4        | •        |                         | (       |                                       | _ /                    |
| Sump and Dispenser Contain                                                                              | ment                                                   | <u>(</u> W-Wa        | ater,P-P                       | roduct,                   | D-Debri                | s)                      | Overfill Protect         | tion             |          |          |                         |         |                                       |                        |
| Dispenser (Y/N) 6                                                                                       | Y                                                      | Y                    | Y                              | 2                         | 4                      | 4                       | Audible Overfill         | Alarm            | •        | •        |                         | 2       | 2                                     | $\angle$               |
| Clean (Y/W/P/D)                                                                                         | <u> </u>                                               | Y                    | Y                              | $\left  \right\rangle$    |                        | $\left  \right\rangle$  | Auto Shut Off D          | evice            | •        | •        | •                       | 2       | 2                                     | $\left \right\rangle$  |
| Sensor Correct Height (Y/N)                                                                             | Y                                                      | Y                    | <u>Y</u>                       | /                         | 1                      | (                       | Ball Float Valve         | )<br>            | X        | $\times$ | $\left[ \times \right]$ |         |                                       | )                      |
| Sump (Y/N)                                                                                              | Y"                                                     | Y                    | Ŷ                              | 2                         | 2                      | 4                       | Operator Train           | ing              | _        |          |                         |         |                                       |                        |
| Clean (Y/W/P/D)                                                                                         | Y                                                      | Y                    | Y                              | $ \zeta $                 | 2                      | $\left  \right\rangle$  | A/B Operator C           | Certificate No   | 000      | 044      | 55                      | Expire  | <u>\$ 2-5</u>                         | -23                    |
| Sensor Correct Height (Y/N)                                                                             | Y                                                      | Y                    | Y                              |                           | (                      |                         |                          | Certificate No   |          | ~        |                         | Expire  | s <sup>•</sup>                        |                        |
| Rectifier                                                                                               |                                                        | r                    | <b>.</b>                       |                           |                        |                         | c                        | Certificate No   |          | •        | •                       | Expire  | 5                                     |                        |
| Operational (Y/N)                                                                                       |                                                        |                      |                                |                           |                        |                         | Class C Trained          | d (Y/N)          |          |          | Y                       |         |                                       |                        |
| Readings Recorded (Y/N)                                                                                 | 30 -Da                                                 | iy                   |                                | 60-Da                     | /                      |                         | Follow up Inspe          | ection to be so  | hedule   | d (Y/N)  |                         | )       | N                                     |                        |
| Volts Amps                                                                                              |                                                        |                      | Hours                          |                           |                        |                         | Projected Date           | of Follow Up     | Inspect  | ion      |                         |         | -                                     |                        |
| ATG: (V-R) Ti<br>ALM Annual<br>Water in Spill B<br>Atg probe risers<br>IM probe risers<br>ALMs confirme | <u>\$ 01</u><br><u>ucke</u><br><u>1800</u><br><u>1</u> | <u>ets</u> ,<br>ited | <u>010</u><br><u>Con</u><br>in | <u>che</u><br>tain<br>stp | cK<br>ment<br>sun      | <u>is</u><br>195 -<br>0 | should be<br>g uoon d    | 2 Kept<br>4 UOOZ |          |          |                         |         | · · · · · · · · · · · · · · · · · · · |                        |
| Surface vault-ri<br>(Snow Plow dan                                                                      | 1                                                      |                      | 001 5                          | <u>9</u> 77               | <u>sum</u>             | <u>p</u> is             | <u>s out.og.n</u>        | ound 4           | sho      |          | APR                     |         | 1EDIA110                              |                        |
| ·····                                                                                                   | es                                                     |                      | Yes                            |                           |                        |                         | No                       | _                |          | e Inspe  |                         | 4.)     | 201                                   | a                      |

| TNKINV02<br>RUN DATE: 03-05-19 STORE: 2826 LEAVENWORTH #3, KS                                  |                          |
|------------------------------------------------------------------------------------------------|--------------------------|
| DC_TankInventory                                                                               |                          |
| Unleaded TANK INVENTORY RECORD                                                                 |                          |
|                                                                                                | Containment Solutions    |
|                                                                                                | contariment solutions    |
| A B C D E F                                                                                    | G H K L                  |
|                                                                                                | LECT WATER DIFFER DIFFER |
|                                                                                                | RINT LEVEL TODAY MTD     |
|                                                                                                | DUT F-D K+L              |
|                                                                                                |                          |
| <b>02-01-19 8822 3568 8500 13754 77.03 13917</b>                                               | P 0.0000 163 163         |
| 02-02-19 13917 2652 0 11266 64.72 11218                                                        | P 0.0000 48- 115         |
| 02-03-19 11218 1816 0 9402 56.49 9374                                                          | P 0.0000 28- 87          |
| 02-04-19 9374 2979 8506 14901 81.83 14884                                                      | P 0.0000 17- 70          |
| 02-05-19 14884 <b>329</b> 3 0 11591 66,17 11525                                                | P 0.0000 66- 4           |
| 02-06-19 11525 2948 0 8578 52.71 8531                                                          | P 0.0000 47- 43-         |
| 02-07-19 8531 2377 0 6154 41.60 6133                                                           | P 0.0000 21- 64-         |
| 02-08-19 6133 2964 0 3169 26.35 3178                                                           | P 0.0000 9 55-           |
| 02-09-19 3178 3282 8520 8416 52.23 8468                                                        | P 0.0000 52 3-           |
| 02-10-19 8468 1448 0 7020 45.60 6999                                                           | P 0.0000 21- 24-         |
| 02-11-19 6999 3150 8500 12349 70.33 12475                                                      | P 0.0000 126 102         |
| 02-12-19 12475 3122 3002 12355 69.81 12351                                                     | P 0.0000 4- 98           |
| 02-13-19 12351 3442 5304 14213 78.76 14273                                                     | P 0.0000 60 158          |
| 02-14-19 14273 3724 4000 14550 80.22 14561                                                     | P 0.0000 11 169          |
| 02-15-19 14561 2727 3200 15034 82.69 15068                                                     | P 0.0000 34 203          |
| 02-16-19 15068 1892 0 13176 73.49 13132                                                        | P 0.0000 44- 159         |
| 02-17-19 13132 1160 0 11972 68.09 11950                                                        | P 0.0000 22- 137         |
| 02-18-19 11950 2664 0 9286 55.90 9243                                                          | P 0.0000 43- 94          |
| 02-19-19 9243 3291 7297 13249 73.78 13215                                                      | P 0.0000 34- 60          |
| 02-20-19 13215 2316 0 10899 63.09 10860                                                        | P 0.0000 39- 21          |
| 02-21-19 10860 2594 0 8266 51.26 8224                                                          | P 0.0000 42- 21-         |
| <b>02-22-19 8224 2842 8509 13891 77.52 13995</b>                                               | P 0.0000 104 83          |
| 02-23 <b>-1</b> 9 <b>13995</b> 2334 0 11660 66.56 11617                                        | P 0.0000 43- 40          |
| 02-24-19 11617 1613 0 10004 59.20 9979                                                         | P 0.0000 25- 15          |
| 02-25-19 9979 2652 6998 14325 79.96 14532                                                      | P 0.0000 207 222         |
| 02-26-19 14532 3026 0 11506 65.69 11444                                                        | P 0.0000 62- 160         |
| 02-27-19 11444 3224 4500 12720 71.60 12750                                                     | P 0.0000 30 190          |
| 02-28-19 12750 2886 4307 14172 78.36 14213                                                     | P 0.0000 41 231          |
| RUN DATE: 03-05-19 48659 x. 01= 486.59 +130=6<br>RUN DATE: 03-05-19 48659 x. 01= 486.59 +130=6 | 16,59                    |
|                                                                                                |                          |
| DC_TankInventory                                                                               |                          |
| PremUnl+ TANK INVENTORY RECORD                                                                 |                          |
| SIZE: 12000 TYPE: Fiberglass (DW) BRAND:                                                       | Containment Solutions    |
|                                                                                                |                          |
|                                                                                                | G H K L                  |
|                                                                                                | LECT WATER DIFFER DIFFER |
|                                                                                                | RINT LEVEL TODAY MTD     |
| A-B+C READING                                                                                  | OUT F-D K+L              |

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|                   |      |     |      | T    | NKINV02 |      |   |        |    |      |
|-------------------|------|-----|------|------|---------|------|---|--------|----|------|
| 02-09-19          | 4556 | 216 | 0    | 4340 | 60.34   | 4337 | Ρ | 0.0000 | 3- | 39-  |
| 02 <b>-1</b> 0-19 | 4337 | 81  | 0    | 4256 | 59.42   | 4254 | P | 0.0000 | 2- | 41-  |
| 02-11-19          | 4254 | 225 | 0    | 4029 | 56.91   | 4025 | Р | 0.0000 | 4- | 45-  |
| 02-12-19          | 4025 | 136 | 0    | 3889 | 55.39   | 3887 | Р | 0.0000 | 2- | 47-  |
| 02-13-19          | 3887 | 181 | 0    | 3706 | 53.36   | 3703 | Ρ | 0.0000 | 3- | 50-  |
| <b>02-14-19</b>   | 3703 | 458 | 0    | 3245 | 48.20   | 3240 | Р | 0.0000 | 5- | 55-  |
| 02-15 <b>-1</b> 9 | 3240 | 186 | 2000 | 5054 | 68.55   | 5095 | Ρ | 0.0000 | 41 | 14-  |
| 02-16-19          | 5095 | 116 | 0    | 4979 | 67.28   | 4977 | Ρ | 0.0000 | 2- | 16-  |
| 02- <b>1</b> 7-19 | 4977 | 21  | 0    | 4956 | 67.07   | 4956 | Р | 0.0000 | 0  | 16-  |
| 02-18-19          | 4956 | 131 | 0    | 4825 | 65.61   | 4823 | Р | 0.0000 | 2- | 18-  |
| 02-19- <u>19</u>  | 4823 | 168 | 1217 | 5872 | 77.42   | 5879 | Р | 0.0000 | 7  | 11-  |
| 02-20-19          | 5879 | 204 | 0    | 5675 | 75.07   | 5670 | Ρ | 0.0000 | 5- | 16-  |
| 02-21-19          | 5670 | 415 | 0    | 5255 | 70.33   | 5247 | Ρ | 0.0000 | 8- | 24-  |
| 02-22 <b>-</b> 19 | 5247 | 140 | 0    | 5107 | 68.75   | 5104 | Р | 0.0000 | 3- | 27-  |
| 02-23-19          | 5104 | 97  | 0    | 5007 | 67.66   | 5006 | Р | 0.0000 | 1- | 28-  |
| 02-24-19          | 5006 | 82  | 0    | 4924 | 66.73   | 4922 | P | 0.0000 | 2- | 30-  |
| 02-25-19          | 4922 | 323 | 0    | 4599 | 63.10   | 4595 | P | 0.0000 | 4- | 34-  |
| 02-26-19          | 4595 | 307 | 0    | 4288 | 59.68   | 4284 | Р | 0.0000 | 4- | 38-  |
| 02-27-19          | 4284 | 159 | 0    | 4125 | 57,91   | 4123 | Р | 0.0000 | 2- | 40-  |
| 02-28-19          | 4123 | 452 | 0    | 3671 | 52.86   | 3664 | Р | 0.0000 | 7- | 47 - |

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Page 3

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Division of Environment Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

Lee A. Norman, M.D., Acling Secretary



Phone: 785-296-1678 Fox: 785-559-4260 www.kdheks.gov

Laura Kelly, Governor

March 19, 2019

KDHE District NE Owner ID: 06884 CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE **has issued** your 2018/2019 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. However, since the printing of your UST permits, the USTs have fallen out of compliance. KDHE will not print 2019/2020 UST Operating Permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

KDHE has not received the latest results of your most current ALM, LLD, or MLD function test (s) for tank number(s): 001, 002, 003. Federal and KDHE regulations require the ALM, LLD, or MLD be tested annually.

Your current 2018/2019 UST permits will expire on July 31, 2019. If you plan on operating your USTs after July 31, 2019, you are required to bring your tanks into compliance with KDHE UST regulations to receive your 2019/2020 permits. If you have any questions concerning this letter or if you would like to discuss your options to bring your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Meerian Environmental Program Administrator I Storage Tank Section

### STATE OF KANSAS

DEPARTMENT OF HEALTH AND ENVIRONMENT DIVISION OF ENVIRONMENT CURTIS STATE OFFICE BUILDING 1000 SW JACKSON ST., SUITE 410 TOPEKA, KS 66612-1367



PHONE: (785) 296-1660 Fax: (785) 559-4261 www.kdhees.gov

GOVERNOR JEFF COLYER, M.D. JEFF ANDERSEN, SECRETARY

August 31, 2018

KDHE District NE Owner ID: 06884 CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE **has issued** your 2018/2019 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. However, since the printing of your UST permits, the USTs have fallen out of compliance. KDHE will not print 2019/2020 UST Operating Permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

KDHE has not received documentation of a financial assurance mechanism covering 3rd party property damage or personal injury claims for tank number(s): 001, 002, 003. Agency records indicate your insurance policy expired on 08-30-2018. KDHE requires annual documentation of most forms of financial responsibility, or proof of current 3rd Party Liability Insurance, which covers damage to property or injuries to people caused by releases from USTs.

Your current 2018/2019 UST permits will expire on July 31, 2019. If you plan on operating your USTs after July 31, 2019, you are required to bring your tanks into compliance with KDHE UST regulations to receive your 2019/2020 permits. If you have any questions concerning this letter or if you would like to discuss your options to bring your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Meerian Environmental Program Administrator I

### Kansas Department of Health and Environment 2018 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

#### **REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR** \*\*\*\*PAYMENT BEFORE APRIL 30, 2018. \*\*\*\*

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of **\*\*** <u>\$30.00</u>\*\* must be submitted to KDHE at the address below with this **\*\*RENEWAL INVOICE**\*\*

|                                                              | Owner                |                      |                                                        | Facility                                          | RECEN                                         |
|--------------------------------------------------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------|-----------------------------------------------|
| Owner ID: 06884                                              |                      |                      | Facility ID: 30435                                     | 00000 #0004                                       | RECEIVED                                      |
| CASEY'S RETAIL CO<br>PO BOX 3004, ONE CO<br>ANKENY, IA 50021 |                      |                      | CASEY'S GENERAL<br>2100 S. 4TH STREE<br>LEAVENWORTH, K | STORE - #2826<br>Τ<br>Σ 66048 Ε <sub>Ν//ROA</sub> | APR 052018<br>BUDE AU OF<br>ENTAL REMEDIATION |
| Tank Number                                                  | _U001                | U002                 | U003                                                   |                                                   | ENTAL REA                                     |
| Status of Tank                                               | In Use               | In Use               | In Use                                                 |                                                   | -MEDIATION                                    |
| Exempt?                                                      | No                   | No                   | No                                                     |                                                   | -14                                           |
| Year Installed                                               | 2009                 | 2009                 | 2009                                                   |                                                   |                                               |
| Capacity (Gallons)                                           | 20,000               | 12,000               | 8,000                                                  |                                                   |                                               |
| Product Stored                                               | Gas Unleaded Regular | Gas Unleaded Premium | Diesel Clear                                           |                                                   |                                               |
| CAS Number                                                   | 8006-61-9            | 8006-61-9            | 68476-34-6                                             |                                                   |                                               |
| Physical/Health Hazards*                                     | F,C,A                | F,C,A                | F,C,A                                                  |                                                   |                                               |
| Tank Release Detection                                       | IMDW, ATG            | IMDW, ATG            | IMDW, ATG                                              |                                                   |                                               |
| Model / Service                                              | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                    |                                                   |                                               |
| Dispenser Type                                               | Pressure             | Pressure             | Pressure                                               |                                                   |                                               |
| Shutoff/Alarm/FR/ALM                                         | ALM                  | ALM                  | ALM                                                    |                                                   |                                               |
| Line Release Detection                                       | IM, ALM              | IM, ALM              | IM, ALM                                                |                                                   |                                               |
| Model / Service                                              | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                    |                                                   |                                               |
| Financial Responsibility                                     | SI 08/30/2018        | SI 08/30/2018        | SI 08/30/2018                                          |                                                   |                                               |

(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

(3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, provide a written description of any needed changes on this invoice and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. FAILURE TO COMPLETE THIS INVOICE AND SUBMIT IT WITH THE APPROPRIATE FEES PRIOR TO APRIL 30, 2018 WILL PREVENT YOU FROM OBTAINING THE REQUIRED PERMITS BEFORE JULY 31, 2018.

| Certification of Accuracy        |             |                 |
|----------------------------------|-------------|-----------------|
| Owner Contact Person (print name | ):          | Facility Phone: |
| JILL REAMS-WIDDER                |             | 913-651-1303    |
| Owner Signature:                 |             | Date: 4/3/18    |
| 24-Hour Contact Name:            | Cell Phone: | 24-Hour Phone:  |
| JILL-REAMS-WIDDER                |             | 515-965-6238    |

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at http://www.kansastag.gov/KDEM.asp?PageID=158 (Click on County Emergency Managers)

Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).

100711648

| Inderground Storage Ta                                             | nk Co      | ompl                    | iance          | e Veri                                       | ficat         | or ID: <u>06884</u><br>ion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                |          |                                               |               | J      |
|--------------------------------------------------------------------|------------|-------------------------|----------------|----------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------|-----------------------------------------------|---------------|--------|
| o be completed when repair o                                       |            |                         |                |                                              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Dhan                                           | a: 705   | <b>ر ا</b><br>5-296-8                         | 582           | V      |
| Submit to: Kansas Departm<br>Bureau of Enviro                      | ent of     | Healt                   | n ana<br>media | Enviro<br>ation-S                            | nmer<br>torad |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |          | 5-559-4                                       |               | l      |
| 1000 SW Jackso                                                     | on, Sui    | ite 41                  | 0, Top         | eka, k                                       | (S 66         | 612-1367                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |          |                                               |               |        |
| Facility Name: <u>Casey's</u><br>Facility Address: <u>2100 S</u>   | Ger        | ner                     | <u>il 8</u>    | 57050                                        | - +           | *2826                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                |          | <u> </u>                                      | 1/4           | ie,    |
| Facility Address: <u>2100 ' 5</u><br>Complete only the information | <u>4-s</u> | ning t                  | o tha a        |                                              | od we         | City: Leavenworth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                |          |                                               | p: <u>660</u> | ťð     |
| KDHE Tank/Line#                                                    | pertai     |                         | 003            |                                              |               | KDHE Tank/Line#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |          |                                               |               | 7      |
| Standby Tank (yes/no)                                              | +          |                         |                |                                              |               | Tank Corrosion Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u> </u>                                       | est D    | i                                             |               | -      |
| Tank Release Detection Te                                          | et Dai     |                         |                |                                              |               | Repair to Existing Cath. Pro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |          |                                               | No:           |        |
| nterstitial Monitor DW                                             |            |                         |                |                                              |               | Sacrificial Anodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                | 1        | <u>, , , , , , , , , , , , , , , , , , , </u> |               |        |
| Statistical Inventory Recon.                                       |            |                         |                |                                              | · ·           | Impressed Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                | 1        | ┼───┤                                         |               |        |
| Tightness Testing                                                  |            |                         |                |                                              |               | No. of Anodes Replaced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |          |                                               |               | -      |
| Manual Tank Gauging                                                |            |                         |                |                                              |               | No. of Anodes Added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                | <u> </u> | ┼──┤                                          |               | -      |
| Automatic Tank Gauging                                             |            |                         |                |                                              |               | Repair to Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                |          | <u>  </u>                                     |               | -      |
| Other:                                                             |            |                         |                |                                              | ·             | Repair to CP wiring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                | 1        |                                               | <u>†</u>      | -1     |
| Dispenser Number:                                                  | <br>Manf:  |                         | <u> </u>       | LI                                           | · · ·         | Interior Lining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |          | <u> </u>                                      |               | -      |
| Pressure                                                           |            |                         | X              |                                              |               | Interior Lining Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/Installation/In | snect                                          | ion De   | te <sup>.</sup>                               |               | -      |
| Safe Suction                                                       |            |                         | - $()$         |                                              |               | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SUCUL                                          |          |                                               |               |        |
| Conventional Suction                                               |            |                         |                |                                              |               | Line Corrosion Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ) Te                                           | st Dat   |                                               |               | -      |
|                                                                    | Test [     | Date:                   |                | L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,       |               | Repair to Existing Cath. Pro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |          |                                               | No:           |        |
| Statistical Inventory Recon.                                       |            |                         |                |                                              |               | Sacrificial Anodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                | T T      |                                               | <u> </u>      | 4      |
| Tightness Testing                                                  |            |                         | <u>-</u>       |                                              |               | Impressed Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                | 1        |                                               |               | -      |
| Interstitial Monitor (sump)                                        |            |                         |                |                                              |               | No. of Anodes Replaced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u> </u>                                       | 1        |                                               |               |        |
| Automatic Line Monitor                                             |            |                         | X              |                                              |               | No. of Anodes Added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b></b>                                        | 1        |                                               |               | -      |
| Other:                                                             |            |                         | <b>``</b>      |                                              |               | Repair to Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                | 1        | ┼──┤                                          |               |        |
| Pressure Line Rel. Det. Tes                                        | t Date     | i                       | 3-14           | -18                                          | <del>_</del>  | Repair to CP wiring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                | <u> </u> | ┟──┤                                          |               | -      |
| Mechanical Leak Detector                                           |            |                         |                | ,<br>                                        |               | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                | 1        |                                               |               | -      |
| Continuous Alarm w/shutoff                                         |            |                         |                |                                              |               | Flex Connectors:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ı                                              |          | <u> </u>                                      | <i></i>       | -1     |
| Automatic Line Monitor                                             |            |                         | X              |                                              |               | Tank (STP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                | 1        |                                               | 1             |        |
| Positive Shutoff                                                   |            |                         | ļ              |                                              |               | Line (Dispenser)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                | 1        |                                               |               |        |
| STP Sump Sensor                                                    |            |                         |                |                                              |               | Sacrificial Anodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                              | 1        |                                               |               | -1     |
| Dispenser Sump Sensor                                              |            |                         |                |                                              |               | Wrapped                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                | 1        |                                               |               | $\neg$ |
| Other:                                                             |            |                         |                |                                              |               | Booted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u> </u>                                       | 1        |                                               |               | -1     |
| Pump and Dispenser Conta                                           | inmer      | <br>nt                  | <u></u>        |                                              | e             | Isolated from Soil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | t                                              | 1        |                                               |               |        |
| Submersible Pump Pan                                               |            |                         |                |                                              |               | Impressed Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                              | 1        |                                               |               |        |
| Dispenser Pan                                                      |            |                         | 1              | <u> </u>                                     |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | t Date                                         |          | - <b>I</b>                                    | L             |        |
| Transition Sump                                                    |            |                         |                |                                              |               | Fiberglass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                | <u> </u> |                                               |               |        |
|                                                                    | slad       | · ect                   | 1              | phon                                         |               | Flexible Nonmetallic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                | 1        |                                               |               | -      |
| STP(Submersible Pump)                                              | 1:2        | $\overline{\mathbf{N}}$ | ese            | 1 57                                         | 0             | Double Wall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u> </u>                                       | 1        |                                               |               |        |
| Other:                                                             |            |                         | <u> </u>       |                                              |               | Line Manufacturer:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | J                                              |          |                                               | L L           |        |
|                                                                    | del #:     |                         | ·              |                                              | <b>.</b>      | Length Installed (Feet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |          |                                               |               |        |
| Spill Buckets                                                      |            |                         | 1              |                                              |               | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                              | T        | 1                                             |               | -      |
|                                                                    | del #      |                         | I              | <u>.                                    </u> | L             | District Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                | .d       |                                               | LI            | -      |
| Overfill Shutoff Device                                            |            | <u>.</u>                | <u> </u>       | 1                                            |               | Contacted District Office                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                | Yes:     | N                                             | lo:           |        |
| Overfill Shutoff with Drop Tube                                    | <u> </u>   |                         |                | <del> </del>                                 |               | Inspection Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                              | . 63.    | P                                             | <u></u>       |        |
|                                                                    |            |                         | <del> </del>   | <u> </u>                                     |               | Fix Inspection Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>r –                                    </u> | 1        | T                                             |               |        |
| Audible Overfill Alarm                                             |            |                         |                | +                                            | <u> </u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |          | +                                             | <u>├</u>      | -      |
| Ball Float Valve                                                   |            | h                       | <b> </b>       | ļ                                            | L             | Drop Tubes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                              | 1        | -                                             | L             | _      |

 $\sim$  Licensed Installer Sig

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### STATE OF KANSAS

DEPARTMENT OF HEALTH AND ENVIRONMENT CURTIS STATE OFFICE BUILDING 1000 SW JACKSON ST., SUITE 540 TOPEKA, KS 66612-1368



Phone: (785) 296-1500 Fax: (785) 559-4269 www.kdheks.gov

GOVERNOR JEFF COLYER, M.D. JEFF ANDERSEN, SECRETARY

April 10, 2018

Mr. Ed Haselwood 10975 Haselwood Inc 504 Applewood Drive. Manhattan KS 66503

# Re: Approved UST Repair Notification (UST009) Form: Casey's General Store #2826, 2100 S 4th, Leavenworth, KS 66048 (Fac. ID #30435)

Dear Mr. Haselwood:

I have reviewed and approved the "UST Repair Notification (UST009)" form for the underground storage tanks at the above referenced facility. The Notification reports work to replace the syphon jet on U003.

K.A.R. 28-44-15 (b) (1) authorizes Licensed UST Contractors to make repair applications by telephone if the repair is essential to protect public health and the environment. In addition to using the telephone, Contractors may make contact with KDHE by fax or email when a repair is deemed necessary. Should repairs be made during non-work hours or on the weekend, the Contractor must make contact with KDHE on the first workday following that repair. After notifying KDHE of the repair, Contractors may submit the Repair Notification (UST009) forms up to 30 days following the completion of the work.

Please complete and return the following forms, failure to do so is a violation of K.A.R. 28-44-15:

• "Underground Storage Tank Compliance Verification (UST004)" form to be filed after the work is completed. (Received 4/2/18)

KDHE has received the required forms and considers the application closed. Finally, if you have not already done so, arrange for a facility inspection with the nearest KDHE District Office. Thank you for your continued cooperation

Sincerely.

Matthew T. Kuffel Environmental Associate KDHE-BER-Storage Tank Section

MTK: RA PC: (owner/operator), KDHE-NEDO, file

| 12/16 UST009                     |                                                                                                                | KDHE Reference No:                                                       | Owner ID: <u>06884</u> Facility ID: <u>30435</u>                                         |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                  |                                                                                                                | ST Repair Notificat<br>eum Products and Hazardous Sub                    |                                                                                          |
| Submit to:                       | Kansas Department of Healti<br>Bureau of Environmental Re                                                      |                                                                          | KDHE USE ONLY: 13582                                                                     |
|                                  | Storage Tank Section<br>1000 SW Jackson, Suite 410                                                             | mediation                                                                | State of Kansas - Division of Environment<br>APPROVED                                    |
|                                  | Topeka KS 66612-1367<br>Phone: 785 296-8061                                                                    | Fax: 785 559-4260                                                        | When constructed to conform with Art. 44<br>Date: 4//0/0<br>By:                          |
| If any work inv                  | olves upgrading or modifying the                                                                               |                                                                          | By: ////////////////////////////////////                                                 |
|                                  | /Modification Application. Use<br>g <b>repaired.</b><br><sup>1</sup> y or Type                                 |                                                                          | laces parts in kind, or if a cathodic protection                                         |
| A. Fa                            | cility Name: <u>Casev's (</u>                                                                                  | Sieneral Store                                                           | # 2826                                                                                   |
|                                  | cility Address: <u>2100 5<sup>1</sup> 4<sup>+2</sup></u><br>(street)                                           | Leavenwort                                                               | <u>へ KS 66048</u><br>(city) (state) (zip)                                                |
|                                  | er Information                                                                                                 |                                                                          |                                                                                          |
| A. Ow<br>B. Ow                   | vner Name: <u>Cosey's Re</u><br>vner Address: <u>Po Borx Bool One</u><br>(street)                              | etanuenience Blud An                                                     | Keney IA 50021                                                                           |
| C. Co                            | (street)<br>ntact Person: <u>J:II- Reams</u>                                                                   | - widder                                                                 | <sup>(</sup> (city) (state) (zip)<br>Phone: ( ) -                                        |
| III. Contracto                   |                                                                                                                |                                                                          |                                                                                          |
| A. Co                            | ntractor Name: <u>Haselwoo</u><br>ntractor Address: <u>504 Apple</u>                                           | JIncLicen                                                                | se No. & Exp. Date.: <u>CO 578 2-1-2019</u><br>tan K5 66503                              |
| C. Co                            | (street)<br>Intact Person: <u>Ed Hase wi</u> nail edahase word - inc                                           | bod                                                                      | (city) (state) (zip)<br>Phone: ( <u>785</u> ) <u>630</u> - 029<br>- N/A                  |
|                                  |                                                                                                                |                                                                          | ,_003                                                                                    |
|                                  | scribe the repairs to be done. A                                                                               | · · · · · · · · · · · · · · · · · · ·                                    | _                                                                                        |
| Ke                               | placed syphon jet                                                                                              | t in Diesel St                                                           | P retest                                                                                 |
| B. De                            | escribe reason for repairs:                                                                                    | uled inition LD                                                          | Op test, due to air in line                                                              |
| <u> </u>                         |                                                                                                                |                                                                          |                                                                                          |
| D. Ha                            | e tanks to be taken out of service<br>ave tank or line failures lead to th<br>If yes, to whom was the leak rep | is proposed repair? Yes                                                  | repair? YesNo X<br>No X                                                                  |
| E. If f                          | ailures have occurred, please br                                                                               | iefly describe the incident:                                             |                                                                                          |
|                                  | his facility in the State Trust Fund                                                                           | d for environmental cleanup                                              | 0? YesNo                                                                                 |
| V. System Te<br>A. A ti          |                                                                                                                | within thirty (30) days if repa                                          | airs were done to portions of the UST system th                                          |
| routinely conta                  |                                                                                                                | system repaired must be te                                               | sted. A printout from an automated monthly                                               |
| B. Ift                           | he cathodic protection system ha                                                                               | s been repaired, a system to                                             | est must be performed within six months of repa                                          |
|                                  | rrent cathodic protection systems t's Certification:                                                           | s must also be inspected wi                                              | thin sixty (60) days of repair.                                                          |
| l certi                          | fy that the information above is tr                                                                            | rue to the best of my knowle                                             | edge and that all equipment will be repaired in                                          |
| compliance wi<br>federal, state, | and local regulations                                                                                          | ructions it applicable. The r<br>ADD ADD ADD ADD ADD ADD ADD ADD ADD ADD | repair will be performed in compliance with all       Reference       Main       3-14-18 |
| Contractor's S                   |                                                                                                                | 1107 e                                                                   | (Date)                                                                                   |

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SECTIMAND

Bureau of Environmental Remediation Curtis State Office building 1000 SW Jackson St. suite 410 Topeka, KS 66612-1367

Acting Secretary Jeff Andersen



Phone: 785-296-1678 Fax: 785-559-4260 www.kdheks.gov

Department of Health & Environment

Governor Jeff Colyer, M.D.

March 21, 2018

KDHE District NE Owner ID: 06884 CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE **has issued** your 2017/2018 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. However, since the printing of your UST permits, the USTs have fallen out of compliance. KDHE will not print 2018/2019 UST Operating Permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

### KDHE has not received the latest results of your most current ALM, LLD, or MLD function test (s) for tank number(s): 001, 002, 003. Federal and KDHE regulations require the ALM, LLD, or MLD be tested annually.

Your current 2017/2018 UST permits will expire on July 31, 2018. If you plan on operating your USTs after July 31, 2018, you are required to bring your tanks into compliance with KDHE UST regulations to receive your 2018/2019 permits. If you have any questions concerning this letter or if you would like to discuss your options to bring your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Allarian.

Marcus Meerian Environmental Program Administrator I Storage Tank Section

### Kansas Department of Health and Environment 2017 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

## **REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2017.**

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of \*\* \$30.00\*\* must be submitted to KDHE at the address below with this **RENEWAL INVOICE**.

| Owner ID: 06884<br>CASEY'S RETAIL CO<br>PO BOX 3004, ONE CO<br>ANKENY, IA 50021 |                      | )                    | Facility ID: 30435<br>CASEY'S GENERAL<br>2100 S. 4TH STREE<br>LEAVENWORTH, K | ENVIRON BURG 2017  |
|---------------------------------------------------------------------------------|----------------------|----------------------|------------------------------------------------------------------------------|--------------------|
| Tank Number                                                                     | U001                 | U002                 | U003                                                                         | MENIAL REMEDIATION |
| Status of Tank                                                                  | In Use               | In Use               | In Use                                                                       | EDIATI             |
| Exempt?                                                                         | No                   | No                   | No                                                                           | - ON               |
| Year Installed                                                                  | 2009                 | 2009                 | 2009                                                                         |                    |
| Capacity (Gallons)                                                              | 20,000               | 12,000               | 8,000                                                                        |                    |
| Product Stored                                                                  | Gas Unleaded Regular | Gas Unleaded Premium | Diesel Clear                                                                 |                    |
| CAS Number                                                                      | 8006-61-9            | 8006-61-9            | 68476-34-6                                                                   |                    |
| Physical/Health Hazards*                                                        | F,C,A                | F,C,A                | F,C,A                                                                        |                    |
| Tank Release Detection                                                          | IMDW, ATG            | IMDW, ATG            | IMDW, ATG                                                                    |                    |
| Model / Service                                                                 | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                          |                    |
| Dispenser Type                                                                  | Pressure             | Pressure             | Pressure                                                                     |                    |
| Shutoff/Alarm/FR/ALM                                                            | ALM                  | ALM                  | ALM                                                                          |                    |
| Line Release Detection                                                          | IM, ALM              | IM, ALM              | IM, ALM                                                                      |                    |
| Model / Service                                                                 | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                          |                    |
| Financial Responsibility                                                        | SI 08/30/2017        | SI 08/30/2017        | SI 08/30/2017                                                                |                    |
| (1) Average Daily Amou                                                          |                      |                      |                                                                              |                    |

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

(3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, provide a written description of any needed changes on this invoice and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. FAILURE TO COMPLETE THIS INVOICE AND SUBMIT IT WITH THE APPROPRIATE FEES PRIOR TO APRIL 30, 2017 WILL PREVENT YOU FROM OBTAINING THE REQUIRED PERMITS BEFORE JULY 31, 2017.

| Certification of Accuracy          |             |                 |  |
|------------------------------------|-------------|-----------------|--|
| Owner Contact Person (print name): |             | Facility Phone: |  |
| JILL REAMS-WIDDER                  |             | 913-651-1303    |  |
| Owner Signature:                   | Lunes )     | Date:           |  |
| 24-Hour Contact Name:              | Cell Phone: | 24-Hour Phone:  |  |
| JILL-REAMS-WIDDER                  |             | 515-965-6238    |  |

Submit to:

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Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at

| http://www.accesskansas.org/kdem/contact | _us/cocoordinator_ | lepclistin |
|------------------------------------------|--------------------|------------|
| g.shtml                                  |                    |            |

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Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).

| Dwner Name: Casey's T<br>Address: PO Box 3004<br>City: Ankeny IA |               | 10                                 | _               |                 | Faci     |                            |         |              |              | Mr. AL              |                   | _        |  |  |  |
|------------------------------------------------------------------|---------------|------------------------------------|-----------------|-----------------|----------|----------------------------|---------|--------------|--------------|---------------------|-------------------|----------|--|--|--|
| Address: PO Box 3004<br>Cily: Ankeny IA                          |               | IN                                 | _               | Owner ID: 06884 |          |                            |         |              |              | Location of Tank(s) |                   |          |  |  |  |
| Address: PO Box 3004<br>Cily: Ankeny IA                          |               | Owner Name: Casey's Retail Company |                 |                 |          |                            |         | otore        | _#           | 2826                | ¢0IA.             |          |  |  |  |
| City: Ankeny IA                                                  | One           |                                    |                 |                 |          | ress: 21005,4th5           |         |              |              |                     | - <sup>1</sup> 01 | V        |  |  |  |
|                                                                  | ĺ             | -                                  |                 | 10021           | City     | Leavenworth                |         |              |              | Zip: 6              | 604               | 8        |  |  |  |
| Contact Person J. I. Ream                                        | s-Wi          | idder                              | Ph:St           | 5-965-6         | 100 Cont |                            |         |              |              | Ph:                 |                   | •        |  |  |  |
|                                                                  |               |                                    |                 |                 |          |                            |         |              |              |                     | 4-16              | -        |  |  |  |
| KDHE Tank/Line No.                                               | 0001          | 0002                               | 0003            |                 |          | KDHE Tank/Line No.         | vooi    | 0002         | 0003         |                     |                   |          |  |  |  |
| n Use (Y / N)                                                    | Y             | Y                                  | Y               |                 |          | Permittted (Y / N)         | Y       | Y            | Y            |                     |                   |          |  |  |  |
| Femp Out (Y / N)                                                 | 2             | N                                  | N               |                 |          | Financial Resp. Exp Date   | 813     | solit        | 7            |                     |                   |          |  |  |  |
| Stand-by Tank (Y/N)                                              | Ń             | N                                  | N               |                 |          | Corrosion Protection-Tank  | S       | CP/Lin       | ing Tes      | t Date:             |                   |          |  |  |  |
| Substance Stored                                                 | DRE<br>REG    | UNL<br>PREM                        | Diesel<br>Cleol |                 |          | Internal Lining            |         |              |              |                     |                   |          |  |  |  |
| Fank Release Detection 🛝                                         | Jecole        | r Roo                              | +TL             | 5-35            | Öwlcsi   | D Impress Current Cathodic |         |              |              |                     |                   |          |  |  |  |
| Automatic Tank Gauging                                           | $\checkmark$  | $\checkmark$                       | $\checkmark$    |                 |          | Sacrificial Anode Cathodic |         |              |              |                     |                   |          |  |  |  |
| nterstitial Mon. DW Tank                                         | $\checkmark$  | $\checkmark$                       | $\checkmark$    |                 |          | Tank Construction          |         |              |              |                     |                   | L        |  |  |  |
| Manual Tank Gauging                                              |               |                                    |                 |                 |          | Fiberglass (SingleOW)      | *       | $\checkmark$ | $\checkmark$ |                     |                   | L        |  |  |  |
| Statistical Inv. Recon.                                          |               |                                    |                 |                 |          | Steel Clad with Fiberglass |         |              |              |                     |                   |          |  |  |  |
| Observation Tubes (Y/N)                                          | Y             | Y                                  | Y               |                 |          | Steel                      |         |              |              |                     |                   |          |  |  |  |
| nventory Control (Y/N)                                           | <u>Y</u>      | Y                                  | Y               |                 |          | Corrosion Protection Lines | 3       | CP Te        | st Date:     |                     |                   |          |  |  |  |
| Drop Tubes (Y/N)                                                 | Y             | Y                                  | Y               |                 |          | Impress Current Cathodic   |         |              |              |                     |                   | L        |  |  |  |
| Dispenser Type                                                   |               |                                    |                 |                 |          | Sacrificial Anode Cathodic |         |              |              |                     |                   |          |  |  |  |
| Conventional Suction                                             |               |                                    |                 |                 |          | Line Construction          |         |              |              |                     |                   | _        |  |  |  |
| Pressure                                                         | <i>v</i> /    | V                                  | $\checkmark$    |                 |          | Copper                     |         |              |              |                     |                   |          |  |  |  |
| Safe Suction                                                     |               |                                    |                 |                 |          | Fiberglass (Single/DW)     |         |              |              | _                   |                   |          |  |  |  |
| Pressure Piping Release D                                        | etectio       | n                                  |                 | · · · ·         |          | Flexible Non-metallic Dw   |         | $\checkmark$ | $\checkmark$ |                     |                   |          |  |  |  |
| Automatic Line Monitor                                           |               | $\checkmark$                       | $\checkmark$    |                 |          | Steel                      |         |              |              |                     |                   |          |  |  |  |
| Interstitial Monitoring                                          | $\checkmark$  | $\checkmark$                       | 1               |                 |          | Flex Connectors (CP, Wrap  | pped, B | oot, Iso     | plated)      | 1                   |                   | <b>.</b> |  |  |  |
| Statistical Inv. Recon.                                          |               |                                    |                 |                 |          | Dispenser (CP,W,B,I)       | I       | I            | I            | I                   | I                 | Ľ        |  |  |  |
| Tightness Testing                                                | L             | N                                  | Ļ               |                 |          | Sub Pump (CP,W,B,I)        | No      | neol         | рзег         | ved                 |                   |          |  |  |  |
| Line Tightness Test Date: 🥻                                      | : <i>18/0</i> | 96                                 | <u> 5  0</u>    | 9               |          | Flex Connectors CP Test Da | ite:    |              |              |                     |                   |          |  |  |  |

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| KDHE Tank/Line No.                    | 0001   | )002              | 0003         |        |   |    | KDHE Tank/Line No.                    | UCOI | Um           | 10031    |         |    |
|---------------------------------------|--------|-------------------|--------------|--------|---|----|---------------------------------------|------|--------------|----------|---------|----|
| Pressure Lines Release Deter          |        |                   |              | •      |   |    | Spill Prevention                      |      |              | roduct,C | )-Debri | s) |
| Automatic Line Monitor                |        | $\checkmark$      | $\checkmark$ |        |   |    | Spill Buckets (Y/N)                   | ÍΥ   | ΙΥ           | IYI      |         |    |
| Mechanical Leak Detector              |        |                   |              |        |   |    | Clean (Y/W/P/D)                       | W/A  | WZ           | W/P      |         |    |
| Sump Sensor                           |        |                   |              |        |   |    | Repair/Replace (Y/N)                  | N    | N            | N        |         |    |
| Function Check Date of MLD/A          | LM: 3  | 15 1 <sup>-</sup> | 7            |        |   |    |                                       |      |              |          |         |    |
| Pump and Dispenser Contain            | nment  |                   |              |        | _ |    | Overfill Protection                   | -    |              |          |         |    |
| Containment Accessed (Y/N)            | Y      | Y                 | Y            | Y      | Y | IY | Audible Overfill Alarm                |      |              |          |         |    |
| Dispenser (Y/N)                       | Ý      | Y                 | Y            | Υ_     | Y | Y  | Auto Shut Off Device                  |      |              |          |         |    |
| Sump Pump (Y\N)                       | Y      | Y                 | Y            |        |   |    | Ball Float Valve                      | V    | V            |          |         |    |
| Rectifier                             |        |                   |              |        |   |    | Operator Training                     |      |              |          |         |    |
| Operational (Y/N)                     |        |                   |              |        |   |    | Class A/B                             | 5.   | <u>n Gra</u> | 55       | _       |    |
| Readings Recorded (Y/N)               | 30-Day |                   |              | 60-Day | / |    |                                       |      | 463          |          | <u></u> |    |
| Volts Amps                            |        |                   | Hours        |        |   |    | Class C Trained (Y/N)                 | Y    | Amar         | nda Po   | well    |    |
| Passing O.2 gallhr<br>Permitolisplaye |        |                   |              |        |   |    |                                       |      |              |          |         |    |
|                                       |        |                   |              |        |   |    |                                       |      |              |          |         |    |
|                                       |        |                   |              |        |   |    |                                       |      |              |          |         |    |
|                                       |        |                   |              |        | _ |    |                                       |      |              |          |         |    |
|                                       |        |                   |              |        |   |    | · · · · · · · · · · · · · · · · · · · |      |              |          |         |    |

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| 1/12 UST004                                               | KDHE            | E Refer            | ence           | No:                | Owne   | ID: 06884                       | Facili         | ty ID:_   | 304                                                                                                                                              | 133        |
|-----------------------------------------------------------|-----------------|--------------------|----------------|--------------------|--------|---------------------------------|----------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Inderground Storage Tan                                   | nk Cor          | mplia              | nce \          | /erific            |        |                                 |                | -         | 12                                                                                                                                               |            |
| o be completed when repair                                | or upg          | rade is            | <u>s finis</u> | <u>hed.*</u>       |        |                                 |                | 705       |                                                                                                                                                  | 200        |
| Submit to: Kansas Departme<br>Bureau of Envire            | ent of l        | Health<br>Ital Rer | and E<br>media | :nviron<br>lion-St | orage  | Tank Section                    |                |           | -296-80                                                                                                                                          |            |
| 1000 SW Jackso                                            |                 |                    |                |                    |        |                                 | I GAIF         | 100       | -200-01                                                                                                                                          |            |
| acility Name: Casey                                       | <u>`s</u> ,     | <u>282</u>         | 6              |                    |        |                                 |                |           |                                                                                                                                                  |            |
| acility Address: 2100 5 2                                 | <u>1+</u>       | <u> </u>           |                |                    |        | City: Leavenworth               | State          | <u>K2</u> | Zip:                                                                                                                                             | 6600       |
| Complete only the information                             | pertain         | ning to            |                |                    | d worl |                                 | <u>dificat</u> | ion ap    | plication                                                                                                                                        | <b>.</b>   |
| DHE Tank/Line#                                            |                 |                    | 003            |                    |        | KDHE Tank/Line#                 | <u> </u>       |           | ļl                                                                                                                                               |            |
| tandby Tank (yes/no)                                      |                 | I                  |                |                    |        | Tank Corrosion Protectio        |                | est Da    |                                                                                                                                                  | - <u></u>  |
| ank Release Detection Te                                  | st Date         | e:                 | <u> </u>       |                    |        | Repair to Existing Cath. Pro    | tection        | 1? Yes    | <u> </u>                                                                                                                                         | o:         |
| nterstitial Monitor DW                                    |                 |                    |                |                    |        | Sacrificial Anodes              |                |           |                                                                                                                                                  |            |
| statistical Inventory Recon.                              | <u> </u> ]      |                    |                |                    |        | Impressed Current               | <u> </u>       |           | <u>}</u> }                                                                                                                                       |            |
| ightness Testing                                          |                 |                    |                |                    |        | No. of Anodes Replaced          |                |           | +                                                                                                                                                |            |
| lanual Tank Gauging                                       |                 |                    |                |                    |        | No. of Anodes Added             | <u> </u>       |           | <b> </b>  -                                                                                                                                      |            |
| utomatic Tank Gauging                                     |                 |                    |                |                    |        | Repair to Rectifier             | <u> </u>       | <u> </u>  | <b> </b>                                                                                                                                         |            |
| <u>Other:</u>                                             |                 | L                  |                |                    |        | Repair to CP wiring             | +              |           | <b>}</b> <u></u> |            |
| Dispenser Type                                            | T               | r7                 | -/-            | 1                  |        | Interior Lining                 | <u> </u>       | <u> </u>  |                                                                                                                                                  |            |
| Pressure                                                  | <b>_</b>        |                    |                |                    |        | Interior Lining Installation/Ir | <u>ispecti</u> | on Da     | te:                                                                                                                                              | - <u></u>  |
| afe Suction                                               | <b> </b>        |                    |                |                    |        | Other:                          |                | <u> </u>  |                                                                                                                                                  |            |
| Conventional Suction                                      |                 |                    |                |                    |        | Line Corrosion Protection       |                |           |                                                                                                                                                  |            |
| iping Release Detection                                   | <u>fest D</u>   | ate:               |                |                    |        | Repair to Existing Cath. Pro    | otection       | n? Yes    | s:N                                                                                                                                              | <u>lo:</u> |
| Statistical Inventory Recon.                              | <b>↓</b>        |                    |                |                    |        | Sacrificial Anodes              |                |           |                                                                                                                                                  |            |
| ightness Testing                                          |                 | <b> </b>           |                |                    |        | Impressed Current               |                | <u> </u>  | <b> </b>  -                                                                                                                                      |            |
| nterstitial Monitor (sump)                                | ļ               |                    |                | ł                  |        | No. of Anodes Replaced          | <u> </u>       | ļ         | -                                                                                                                                                |            |
| utomatic Line Monitor                                     | ļ!              | $\square$          |                |                    |        | No. of Anodes Added             | ∔              | ļ         | ┨                                                                                                                                                |            |
| ther:                                                     |                 |                    | L              |                    |        | Repair to Rectifier             |                |           |                                                                                                                                                  |            |
| Pressure Line Rel. Det. Tes                               | t Date          | : 3                | -10-           | 16                 | r      | Repair to CP wiring             | ∔              | ļ         |                                                                                                                                                  |            |
| Nechanical Leak Detector                                  |                 |                    |                | <u> </u>           |        | Other:                          |                | <u> </u>  |                                                                                                                                                  | ł          |
| Continuous Alarm w/shutoff                                |                 |                    |                |                    |        | Flex Connectors:                |                | ······    |                                                                                                                                                  |            |
| Automatic Line Monitor                                    | ļ               |                    | $\leq$         |                    |        | Tank (STP)                      |                | ļ         | ļ                                                                                                                                                |            |
| Positive Shutoff                                          |                 |                    | <u> </u>       | ,                  |        | Line (Dispenser)                |                |           | <u>                                     </u>                                                                                                     |            |
| STP Sump Sensor                                           | ļ               |                    | <u> </u>       | ļ                  |        | Sacrificial Anodes              |                |           | ļ                                                                                                                                                |            |
| Dispenser Sump Sensor                                     | ļ               |                    | ļ              | L                  |        | Wrapped                         |                |           |                                                                                                                                                  |            |
| Other:                                                    |                 |                    |                | <u> </u>           |        | Booted                          |                |           |                                                                                                                                                  |            |
| Pump and Dispenser Contai                                 | nment           | <u>t</u>           |                |                    | r      | Isolated from Soil              |                |           |                                                                                                                                                  |            |
| Submersible Pump Pan                                      |                 |                    | L              |                    |        | Impressed Current               |                |           |                                                                                                                                                  |            |
| Dispenser Pan                                             |                 |                    |                |                    |        | Line Repair Test                | Date           |           |                                                                                                                                                  |            |
| ransition Sump                                            |                 |                    | $\geq$         |                    |        | Fiberglass                      |                | 1         |                                                                                                                                                  |            |
| Submersible Pump                                          |                 |                    | <u> </u>       |                    |        | Flexible Nonmetallic            |                |           | ļļ.                                                                                                                                              |            |
| STP(Submersible Pump) Ref                                 | lacec           | \$ Syp             | hon            | Jet.               | in     | Double Wall                     |                |           |                                                                                                                                                  |            |
| Other: Diesel                                             | 5Tf             | <u>۲</u>           |                |                    |        | Line Manufacturer:              |                |           |                                                                                                                                                  |            |
|                                                           | iel #:          |                    |                |                    | ,      | Length Installed (Feet)         | ÷              |           |                                                                                                                                                  | ·          |
| Spill Buckets                                             | $\underline{-}$ | $\square$          | L              | ]                  | }      | Other:                          |                | ]         |                                                                                                                                                  | !          |
| Overfill Prevention Mod                                   | del #:          | <b>.</b>           | <del></del>    | ·                  |        | District Inspection             | ·              |           |                                                                                                                                                  |            |
| Overfill Shutoff Device                                   | <u> </u>        |                    | ļ              | <u> </u>           | -      | Contacted District Office       | <u> </u>       | es:       | No                                                                                                                                               |            |
|                                                           | 2               |                    | <u> </u>       |                    |        | Inspection Date:                |                |           |                                                                                                                                                  |            |
| Overfill Shutoff with Drop Tube                           |                 | 1                  |                |                    |        | Fix Inspection Deficiencies     |                |           |                                                                                                                                                  |            |
| Overfill Shutoff with Drop Tube<br>Audible Overfill Alarm |                 | <u> </u>           | L              |                    |        | t intitiopeeden benefenere      |                |           |                                                                                                                                                  |            |
|                                                           |                 |                    |                |                    |        | Drop Tubes                      |                |           |                                                                                                                                                  |            |

KDHE Licensed installer Signature:

DEP COANNED

APR 1 8 2017

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Susan Mosier, MD, Secretary

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Phone: 785.296.1685 Fax: 785.559.4260 matt.kuffel@ks.gov www.kdheks.gov/tanks

Sam Brownback, Governor

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April 7, 2017

Mr. Ed Haselwood, 10975 Haselwood Inc. 504 Applewood Dr. Manhattan KS, 66503

## Re: Approved UST Repair Notification (UST009) Form: Casey's General Store #2826, 2100 S. 4<sup>th</sup> St, Leavenworth, KS 66048 (Fac. ID #30435)

Dear Mr. Haselwood:

I have reviewed and approved the "UST Repair Notification (UST009)" form for the underground storage tanks at the above referenced facility. The Notification reports work to replace the syphon jet on tank U003 and purge air from line.

K.A.R. 28-44-15 (b) (1) authorizes Licensed UST Contractors to make repair applications by telephone if the repair is essential to protect public health and the environment. In addition to using the telephone, Contractors may make contact with KDHE by fax or email when a repair is deemed necessary. Should repairs be made during non-work hours or on the weekend, the Contractor must make contact with KDHE on the first workday following that repair. After notifying KDHE of the repair, Contractors may submit the Repair Notification (UST009) forms up to 30 days following the completion of the work.

Please find enclosed an:

- "Underground Storage Tank Compliance Verification (UST004)" form to be filed after the work is completed. (Received March 18, 2016)
- ""Underground Storage Tank System Tightness Test (UST011)" (Waived 4/7/16, good test date on file)

KDHE has received the required forms and considers the application closed. Finally, if you have not already done so, arrange for a facility inspection with the nearest KDHE District Office. Thank you for your continued cooperation

Sincerely

Matthew T. Kuffel Environmental Associate KDHE-BER-Storage Tank Section

MTK: RA PC: (owner/operator), KDHE-NEDO, file

|                                                                              | UST Repain Notificat<br>(Petroleum Products and Hazardous Su                                                                                                                                               |                                                                                                                                                     |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Submit to:                                                                   | Kansas Department of Health and Environment,<br>Bureau of Environmental Remediation<br>Storage Tank Section<br>1000 SW Jackson, Suite 410<br>Topeka KS 66612-1367<br>Phone: 785 296-8061 Fax: 785 296-6190 | KDHE USE ONLY:<br>State of Kansas - Division of Environment<br>APPROVED<br>When constructed to conform with Art. 44<br>Date:<br>By:                 |
| <u>UST Upgrade</u><br>system is beir<br>Please Print Clea<br>I. Facility Inf | formation                                                                                                                                                                                                  | places parts in kind, or if a cathodic protection acing rectifier with same.)                                                                       |
| B. Fa                                                                        | acility Name: <u>Casey's Greneral Store</u><br>acility Address: $2/00^{1}$ S $4^{25}$ Leas<br>(street)<br>mer Information                                                                                  | city) (state) (zip)                                                                                                                                 |
| A. O<br>B. O                                                                 | wher Name: <u>Casey's Retail Compar</u>                                                                                                                                                                    | NY<br>R <u>Ivel, Ankeny, IA 5002)</u><br>(city) (state) (zip)<br>Phone: () -                                                                        |
| II. Contract                                                                 | or Information                                                                                                                                                                                             | ×                                                                                                                                                   |
| B. C.<br>C. C                                                                | ontractor Name: <u>Haselwood Inc</u> Licen<br>ontractor Address: <u>504 Applewood Drive</u><br>contact Person: <u>Ed Haselwood</u><br>imail <u>ed @ haselwood-inc.com</u> Fax: ()                          | nse No. & Exp. Date.: <u>CO578</u> <u>Z-1-20</u><br><u>Manhattan</u> <u>KS</u> <u>6650</u><br>(city) (state) (zip)<br>Phone: (785) <u>630-029</u> 9 |
| E                                                                            | ank or Line Nos. to be repaired:                                                                                                                                                                           | r instructions, if applicable:                                                                                                                      |
| IV. KDHE T                                                                   | escribe the repairs to be done. Attach manufacturer's repair<br>Replaced Syphon jet in Diese                                                                                                               |                                                                                                                                                     |
| IV. KDHE TA<br>A. D                                                          | Replaced Syphon jet in Diese<br>re, did 2nd LD op Test                                                                                                                                                     |                                                                                                                                                     |

B. If the cathodic protection system has been repaired, a system test must be performed within six months of repair. Impressed current cathodic protection systems must also be inspected within sixty (60) days of repair. VI. Applicant's Certification: I certify that the information above is true to the best of my knowledge and that all equipment will be repaired in compliance with the manufacturers' repair instructions if applicable. The repair will be performed in compliance with all federal, state, and local regulations.

KDHE Licensed Installer's Signature

<u>975 /</u> 10#

<u>3-10-20</u>/6 (Date)

#### Kansas Department of Health and Environment 2016 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

### REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2016.

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of <u>\$30.00</u> must be submitted to KDHE at the address below with this **Renewal Invoice**.

| OwnerFacilityOwner ID: 06884Facility ID: 30435CASEY'S RETAIL COMPANYFacility ID: 30435PO BOX 3004, ONE CONVENIENCE BLVDCASEY'S GENERAL STORE - #2826 ENVIRONMENTERANKENY, IA 50021100 S. 4TH STREETTank NumberU001U002Tank NumberU001U002Status of TankIn UseIn UseIn UseExempt?NoNoNoYear Installed200920092009Capacity (Gallons)20,000Product StoredGas Unleaded RegularGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6In Use | 2016   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Exempt?NoNoYear Installed20092009Capacity (Gallons)20,00012,0008,000Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6                                                                                                                                                                                                                                                                                               |        |
| Exempt?NoNoYear Installed20092009Capacity (Gallons)20,00012,0008,000Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6                                                                                                                                                                                                                                                                                               | ATION. |
| Capacity (Gallons)20,00012,0008,000Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6                                                                                                                                                                                                                                                                                                                                |        |
| Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6                                                                                                                                                                                                                                                                                                                                                                   |        |
| CAS Number         8006-61-9         8006-61-9         68476-34-6                                                                                                                                                                                                                                                                                                                                                                                                          |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
| Physical/Health Hazards* F,C,A F,C,A F,C,A                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| Tank Release Detection         IMDW, ATG         IMDW, ATG                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| Model / Service Veeder Root TLS-350 Veeder Root TLS-350 Veeder Root TLS-350                                                                                                                                                                                                                                                                                                                                                                                                |        |
| Dispenser Type Pressure Pressure Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| Shutoff/Alarm/FR/ALM ALM ALM ALM                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |
| Line Release Detection IM, ALM IM, ALM IM, ALM                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Model / Service Veeder Root TLS-350 Veeder Root TLS-350 Veeder Root TLS-350                                                                                                                                                                                                                                                                                                                                                                                                |        |
| Financial Responsibility SI 08/30/2016 SI 08/30/2016 SI 08/30/2016                                                                                                                                                                                                                                                                                                                                                                                                         |        |

(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

(3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, such as the Owner's Mailing address or any information related to the storage tanks system, provide a written description of any needed changes on this invoice and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. Failure to complete this invoice and submit it with the appropriate fees prior to April 30, 2016 will prevent you from obtaining the required Permits before July 31, 2016.

| Certification of Accuracy                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Owner Contact Person (print name):                                                                                                                                               | Facility Phone:                                                                                                                                                                                                                                                                                                                    |
| JILL REAMS-WIDDER                                                                                                                                                                | 5 <del>15-965-6338</del> 913-651-1303                                                                                                                                                                                                                                                                                              |
| Owner Signature:                                                                                                                                                                 | Date: 3/24/2016.                                                                                                                                                                                                                                                                                                                   |
| 24-Hour Contact Name: Cell Phone                                                                                                                                                 | : 24-Hour Phone:                                                                                                                                                                                                                                                                                                                   |
| JILL-REAMS-WIDDER                                                                                                                                                                | 515-965-6238                                                                                                                                                                                                                                                                                                                       |
| Submit to:<br>Kansas Department of Health and Environment<br>Bureau of Environmental Remediation<br>Storage Tank Section<br>1000 SW Jackson, Suite 410<br>Topeka, KS, 66612-1367 | Please direct questions concerning the underground storage tank<br>program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html<br>Please direct questions concerning the Right-to-Know program to<br>(785) 296-1688. Listings of LEPCs at<br>http://www.accesskansas.org/kdem/contact_us/cocoordinator_lepclistin<br>g.shtml |
|                                                                                                                                                                                  | your records. Send a copy to your Locat<br>ning Committee(s).                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                  | 1007105463                                                                                                                                                                                                                                                                                                                         |

| 1/12 UST004<br>Inderground Storage Tan         |                       |                                        |                                        |                 |                |                                        | Facilit       | y ID:                | 201      |             |          |
|------------------------------------------------|-----------------------|----------------------------------------|----------------------------------------|-----------------|----------------|----------------------------------------|---------------|----------------------|----------|-------------|----------|
| o be completed when repair of                  | n upgi                | radø is                                | : finis                                | hed.*           |                | 3                                      |               |                      |          | 122         | 68       |
| Submit to: Kensas Departme                     | nt of I               | tealth                                 | and S                                  | nviror          |                |                                        |               | ): 785-7             |          | 51          | ν<br>ν   |
| Bureau of Enviro                               | nmen<br>o Sui         | iai kon<br>Io 410                      | neciai<br>Tore                         | ion-Si<br>Ska K | orage<br>S 666 | 180x Sector<br>12-1387                 | - 9XV         | 785-2                | 296-61   | 90 .        |          |
| 1000 SW Jackso<br>acility Name: <u>Casey's</u> | Gie                   | nerc                                   | $\frac{1}{2}$                          | Stor            | e a            | 12826                                  |               |                      |          |             | •        |
| acility Address: 2100 5 41                     | 2                     |                                        | •                                      |                 |                | City: Leavenworth                      | State:        | KS                   | Zip:_    | 6604        | <u>Š</u> |
| Complete only the information p                | pertain               | ing to                                 | the ar                                 | prove           | d wor          | c on the repair or upgrade/mo          | dificati      | ion app              | lication | <u> </u>    |          |
| CDHE Tank/Line#                                |                       |                                        | <u>003</u>                             |                 |                | KDHE Tank/Line#                        |               | Ļ                    |          |             | _        |
| Standby Tank (yes/no)                          |                       |                                        |                                        |                 |                | Tank Corrosion Protection              | <u> </u>      | est Dat              | e:       |             |          |
| Tank Release Detection Tes                     | t Date                | <b>):</b>                              | <u> </u>                               |                 | ,              | Repair to Existing Cath. Prot          | ection        | ? Yes:               | N        | 0:          | _        |
| nterstitial Monitor DW                         |                       |                                        |                                        |                 |                | Sacrificial Anodes                     |               |                      |          |             |          |
| Statistical Inventory Recon.                   |                       |                                        |                                        |                 |                | Impressed Current                      |               |                      |          |             |          |
| Tightness Testing                              |                       |                                        |                                        |                 |                | No. of Anodes Replaced                 |               |                      |          |             |          |
| Manual Tank Gauging                            |                       |                                        |                                        |                 |                | No. of Anodes Added                    |               | -                    |          |             |          |
| Automatic Tank Gauging                         |                       |                                        |                                        |                 |                | Repair to Rectifier                    |               | ļļ                   |          |             |          |
| Other:                                         |                       |                                        |                                        |                 |                | Repair to CP wiring                    |               |                      |          |             |          |
| Dispenser Type                                 |                       |                                        |                                        |                 |                | Interior Lining                        | _             |                      |          |             |          |
| Pressure                                       |                       |                                        | /                                      |                 |                | Interior Lining Installation/Ins       | spectio       | on Date              | );       |             |          |
| Safe Suction                                   |                       |                                        | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                 |                | Other:                                 |               |                      |          |             |          |
| Conventional Suction                           |                       |                                        | ·                                      |                 | L              | Line Corrosion Protection              | Tes           | t Date:              |          |             |          |
| Piping Release Detection T                     | est D                 | ate:                                   |                                        |                 | ·····          | Repair to Existing Cath. Prot          | lection       | ? Yes:               | N        | lo:         |          |
| Statistical Inventory Recon.                   |                       |                                        |                                        |                 |                | Sacrificial Anodes                     |               |                      |          |             |          |
| Tightness Testing                              |                       |                                        |                                        |                 |                | Impressed Current                      |               |                      |          |             |          |
| nterstitial Monitor (sump)                     |                       |                                        |                                        |                 |                | No. of Anodes Replaced                 |               |                      |          |             |          |
| Automatic Line Monitor                         | ,                     |                                        | /                                      |                 |                | No. of Anodes Added                    |               |                      | T        |             |          |
| Other:                                         |                       |                                        |                                        |                 |                | Repair to Rectifier                    |               |                      |          |             |          |
| Pressure Line Rel. Det. Test                   | Date                  |                                        |                                        |                 | •••••          | Repair to CP wiring                    |               |                      |          |             |          |
| Mechanical Leak Detector                       |                       |                                        |                                        |                 |                | Other:                                 |               |                      |          |             |          |
| Continuous Alarm w/shutoff                     |                       |                                        |                                        | <u> </u>        |                | Flex Connectors:                       | <b>.</b>      | •                    | I        | , <b></b> , | _        |
| Automatic Line Monitor                         |                       |                                        | 7                                      |                 |                | Tank (STP)                             |               |                      |          |             |          |
| Positive Shutoff                               |                       |                                        |                                        |                 | 1              | Line (Dispenser)                       |               |                      |          |             |          |
| STP Sump Sensor                                |                       |                                        |                                        |                 | <u> </u>       | Sacrificial Anodes                     |               | <u>t t</u>           |          |             | -        |
| Dispenser Sump Sensor                          |                       |                                        |                                        | <u> </u>        |                | Wrapped                                |               |                      |          |             |          |
| Other:                                         |                       |                                        |                                        |                 |                | Booted                                 |               | 1                    |          |             |          |
| Pump and Dispenser Contai                      | nment                 | ······································ |                                        | •               | •              | Isolated from Soil                     |               |                      |          |             |          |
| Submersible Pump Pan                           |                       |                                        |                                        | 1               | 1              | Impressed Current                      |               | <u> </u>             |          |             |          |
| Dispenser Pan                                  | · · · · · · · · · · · |                                        |                                        | 1               | 1              | ······································ | Date:         | J                    |          |             |          |
| Transition Sump                                |                       |                                        | ·                                      | 1               | <u> </u>       | Fiberglass                             | <u></u>       |                      | <u> </u> |             | $\neg$   |
| Submersible Pump                               | Ren                   | laced                                  | 5.,                                    | hon             | Jet            | Flexible Nonmetallic                   |               | ┼╍╍╌╂                |          |             | -1       |
| STP(Submersible Pump)                          |                       | 2 Di                                   | -71                                    | STP             | <u> </u>       | Double Wall                            |               | ┼──┼                 |          |             | $\neg$   |
| Other:                                         | <u> </u>              |                                        |                                        | <b>F</b>        |                | Line Manufacturer:                     | Å             | <u>1</u>             |          | l           |          |
|                                                | el #:                 | L                                      |                                        | ·               | d              | Length Installed (Feet)                |               |                      | )        |             |          |
| Spill Buckets                                  | <u></u>               |                                        |                                        | Ţ               | Ţ              | Other:                                 | Ţ             | 1 1                  |          |             |          |
|                                                | el #:                 | L                                      | L                                      | 4               | l              | District Inspection                    | L             | LŁ                   | l-       | <u> </u>    |          |
| Overfill Shutoff Device                        |                       |                                        |                                        | Ţ               | Γ              | Contacted District Office              | ,<br>V        | es:                  | No       | •           |          |
| Overfill Shutoff with Drop Tube                |                       |                                        |                                        | +               | +              | Inspection Date:                       |               |                      | 140.     |             |          |
|                                                |                       |                                        |                                        | +               | +              | Fix Inspection Deficiencies            | <u> </u>      | 1                    |          |             |          |
| Audible Overfill Alarm                         |                       |                                        |                                        | +               | +              |                                        |               | $\left\{ - \right\}$ |          |             | $\neg$   |
| Ball Float Valve                               |                       |                                        | ·                                      |                 | +              | Drop Tubes                             | <u> </u>      | <u> </u>             |          |             |          |
|                                                |                       | 1                                      | 1                                      | 1               | ,              | 1                                      | )<br>y belief | 1                    | 1        | 1           | 1        |

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Bureau of Environmental Remediation Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

Susan Mosier, MD, Secretary



Phone: 785.296.1685 Fax: 785.296.6190 ceichman@kdheks.gov www.kdheks.gov

Department of Health & Environment

Sam Brownback, Governor

February 3, 2016

Mr. Ed Haselwood, 10975 Haselwood Inc. 100 Dexter St Clay Center, KS 67432

## Re: Approved UST Repair Notification (UST009) Form: Casey's General Store #2826, 2100 S. 4<sup>th</sup> Street, Leavenworth, KS 66048 (Fac. ID #30435)

Dear Mr. Haselwood:

I have reviewed and approved the "UST Repair Notification (UST009)" form for the underground storage tanks at the above referenced facility. The Notification reports work to replace the syphon jet on the STP for Tank U003.

K.A.R. 28-44-15 (b) (1) authorizes Licensed UST Contractors to make repair applications by telephone if the repair is essential to protect public health and the environment. In addition to using the telephone, Contractors may make contact with KDHE by fax or email when a repair is deemed necessary. Should repairs be made during non-work hours or on the weekend, the Contractor must make contact with KDHE on the first workday following that repair. After notifying KDHE of the repair, Contractors may submit the Repair Notification (UST009) forms up to 30 days following the completion of the work.

Please find enclosed an:

 "Underground Storage Tank Compliance Verification (UST004)" form to be filed after the work is completed. (Received on 3/24/2015)

KDHE understands that the work is completed to the state standards; the Underground Storage Tank Compliance Verification (UST004) has been received for this job. <u>KDHE considers the notification closed</u> and no further action is needed at this time.

Please forward copies of all the forms to the Owner of the UST system you have repaired or upgraded as soon as the work is completed. Finally, if you have not already done so, arrange for a facility inspection with the nearest KDHE District Office. Thank you for your continued cooperation.

Mr. Ed Haselwood, 10975 February 3, 2016 Page 2 of 2

Sincerely,

Chitch Del Christopher L Eichman

Christopher L Eichman Environmental Associate KDHE-BER-Storage Tank Section

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PC: (owner/operator), KDHE-NEDO, file

KDHE Reference No: Owner ID: 06884 Facility ID: 30435 04/03 UST009 **UST Repair Notification** (Petroleum Products and Hazardous Substances) KDHE USE ONLY: 12268 Submit to: Kansas Department of Health and Environment **Bureau of Environmental Remediation** NE State of Kansas - Division of Environment Storage Tank Section APPROVED 1000 SW Jackson, Suite 410 When constructed to conform with Art. 44 Topeka KS 66612-1367 Date: 2-3-201 6 Phone: 785 296-8061 Fax: 785 296-6190 By: If any work involves upgrading or modifying the system, use the UST Upgrade/Modification Application. Use THIS form only if work replaces parts in kind, or if a cathodic protection system is being repaired (adding/replacing anodes, re-laying cable, replacing rectifier with same.) Please Print Clearly or Type **I. Facility Information** A. Facility Name: <u>Casey</u> B. Facility Address: 2100 66048 (street) (state) (zip) II. Tank Owner Information A. Owner Name: <u>Casey's</u> Retai B. Owner Address: PO Bux 3001, One Convenience. Anken (street) (state) (zip) (citv) C. Contact Person: Jill Reams - W 5)96 6100 ext 6238 Phone: (51 III. Contractor Information A. Contractor Name: Hase wood License No. & Exp. Date .: CO578 B. Contractor Address: 100 Clay Center Dexter S (state) (street) (city) Edaselwood C. Contact Person: Phone: (785) 630-Email ed Chaselwood-inc. com Fax: 003 IV. KDHE Tank or Line Nos. to be repaired: A. Describe the repairs to be done. Attach manufacturer's repair instructions, if applicable: Replaced syphon on Diesel purged line + retested B. Describe reason for repairs: \_\_fuiled CD op test nitial C. Are tanks to be taken out of service because of this proposed repair? Yes \_\_\_\_ No \_\_\_\_ D. Have tank or line failures lead to this proposed repair? Yes \_\_\_\_ No \_ If yes, to whom was the leak reported? E. If failures have occurred, please briefly describe the incident: F. is this facility in the State Trust Fund for environmental cleanup? No Yes V. System Test: A. A tightness test must be performed within thirty (30) days if repairs were done to portions of the UST system that routinely contain fuel. Only that portion of the system repaired must be tested. A printout from an automated monthly monitoring device may be substituted for a tightness test. Test method used: B. If the cathodic protection system has been repaired, a system test must be performed within six months of repair. Impressed current cathodic protection systems must also be inspected within sixty (60) days of repair.

VI. Applicant's Certification:

6

I certify that the information above is true to the best of my knowledge and that all equipment will be repaired in compliance with the manufacturers' repair instructions if applicable. The repair will be performed in compliance with all federal, state, and local regulations.

KDHE Licensed Installer's Signature

9751 10# ENVIRON MARYAL REMEDIATION

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MECEIVED

#### Kansas Department of Health and Environment 2015 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

### REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2015.

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of <u>\$30.00</u> must be submitted to KDHE at the address below with this **Renewal Invoice**.

|                                                                                 | Owner                |                      |                                                                               | Facility                                       |
|---------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------|------------------------------------------------|
| Owner ID: 06884<br>CASEY'S RETAIL CO<br>PO BOX 3004, ONE CO<br>ANKENY, IA 50021 |                      | )                    | Facility ID: 30435<br>CASEY'S GENERAL<br>2100 S. 4TH STREE'<br>LEAVENWORTH, K | Facility<br>STORE - #2826 ENVIRON BURE - #2015 |
| Tank Number                                                                     | U001                 | U002                 | U003                                                                          | FEMEDIA TION                                   |
| Status of Tank                                                                  | In Use               | In Use               | In Use                                                                        | DIATIO                                         |
| Exempt?                                                                         | No                   | No                   | No                                                                            |                                                |
| Year Installed                                                                  | · 2009               | 2009                 | 2009                                                                          |                                                |
| Capacity (Gallons)                                                              | 20,000               | 12,000               | 8,000                                                                         |                                                |
| Product Stored                                                                  | Gas Unleaded Regular | Gas Unleaded Premium | Diesel Clear                                                                  |                                                |
| CAS Number                                                                      | 8006-61-9            | 8006-61-9            | 68476-34-6                                                                    |                                                |
| Physical/Health Hazards*                                                        | F,C,A                | F,C,A                | F,C,A                                                                         |                                                |
| Tank Release Detection                                                          | IMDW, ATG            | IMDW, ATG            | IMDW, ATG                                                                     |                                                |
| Model / Service                                                                 | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                           |                                                |
| Dispenser Type                                                                  | Pressure             | Pressure             | Pressure                                                                      |                                                |
| Shutoff/Alarm/FR/ALM                                                            | ALM                  | ALM .                | ALM                                                                           |                                                |
| Line Release Detection                                                          | IM, ALM              | IM, ALM              | IM, ALM                                                                       |                                                |
| Model / Service                                                                 | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                           |                                                |
| Financial Responsibility                                                        | SI 08/30/2015        | SI 08/30/2015        | SI 08/30/2015                                                                 |                                                |

(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

(3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a

Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, **provide a written description of any needed changes on this invoice** and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. Failure to complete this invoice and submit it with the appropriate fees prior to April 30, 2015 will prevent you from obtaining the required Permits before July 31, 2015.

| Facility Phone: |                                                       |
|-----------------|-------------------------------------------------------|
| 515-965-6238    | •                                                     |
| Date:           |                                                       |
| 24-Hour Phone:  |                                                       |
| 515-965-6238    |                                                       |
|                 | 515-965-6238           Date:           24-Hour Phone: |

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at http://www.accesskansas.org/kdem/contact\_us/cocoordinator\_lepclistin g.shtml

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Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).

| Ownership of                | f Tank( | s)            |        |                          |                              |                       | Location of T                     | ank(s)  |           | NR      | ONNEU                  | e<br>Pe           | 20                                           |
|-----------------------------|---------|---------------|--------|--------------------------|------------------------------|-----------------------|-----------------------------------|---------|-----------|---------|------------------------|-------------------|----------------------------------------------|
| Owner ID: 008               | 84      |               |        |                          |                              | Facility              | 1D: 30430                         | Š       |           |         |                        | R<br>R<br>AL REAL | •                                            |
| Owner Name: Casey's         |         | . <i>'\</i> C | omo.   | anu                      |                              | Facility              | Name: Caseu's Cer                 | neral   | 1 57      | 076     | #2                     | 822               | 01471                                        |
| Address: PD Box 3004, L     |         |               | •      |                          | 3                            | Addres                |                                   |         | stre      |         |                        |                   |                                              |
| City: AnKeny, I             |         |               | Zip: 5 |                          |                              | City:                 | Leavenworth                       |         |           |         | Zip: 6                 | 601               | 48                                           |
| Contact Person: Jill Read   |         | dder          | Ph:    |                          | _                            | Contac                | t Person SAME                     |         |           |         | Ph:                    |                   |                                              |
|                             |         |               |        |                          |                              |                       |                                   |         |           |         | 3.Z                    | B-/               | 3                                            |
| KDHE Tank/Line No.          | 001     | 002           | 003    |                          | -                            | -                     | KDHE Tank/Line No.                | 001     | 002       | 003     | 1                      | _                 |                                              |
| In Use (Y / N)              | Y       | Y             | Y      | 2                        |                              | 12                    | Permittted (Y / N)                | Y       | Y         | Y       | 2                      | $\mathbf{Z}$      |                                              |
| Temp Out (Y / N)            | N       | N             | N      | 5                        | $\leq$                       | S                     | Financial Resp. (Y / N)           | Y       | Y         | Y       | >                      | 7                 |                                              |
| Stand-by Tank (Y/N)         | N       | <u>N</u> _    | N      | $\leq$                   | $\left\lfloor \right\rfloor$ | <u> </u>              | Corrosion Protection-Tank         | S       |           |         |                        |                   |                                              |
| Substance Stored            | gas     | gas           | die.   | [                        | 7                            | 1                     | Impress Current Cathodic          | •       | 5a        | -       | 2                      | 2                 |                                              |
| Tank Release Detection      |         |               |        |                          |                              |                       | Sacrificial Anode Cathodic        | -       | -         | -       | <b>)</b> .             | 7                 | 2                                            |
| Automatic Tank Gauging      | X       | X             | X      | 1                        | 2                            | 12                    | Tank Construction                 |         |           |         |                        |                   |                                              |
| Interstitial Mon. DW Tank   | Х       | X             | X      | $\boldsymbol{\varsigma}$ | 15                           | $ \Sigma $            | Date Installed                    | 109     | 60'       | 601     | 2                      | 2                 | 2                                            |
| Manual Tank Gauging         | -       | 1             | -      | ζ                        |                              | $\left \right\rangle$ | Fiberglass (Single/DW)            | X       | X         | X       | 5                      | $\left  \right $  | $ \mathcal{L} $                              |
| Statistical Inv. Recon.     | -       | ų             | -      | 1                        | )                            | 1                     | Steel Clad with Fiberglass        | -       |           | -       | $\sum$                 | ζ                 | Ζ                                            |
| Observation Tubes (Y/N)     | Y       | Υ             | Y      |                          |                              | 1                     | Steel                             |         | ·         | -       | (                      | /                 |                                              |
| Inventory Control (Y/N)     | Y       | Y             | Y      | 2                        | $\sum$                       | 12                    | <b>Corrosion Protection Lines</b> | 5       |           |         |                        |                   |                                              |
| Drop Tubes (Y/N)            | Y       | Y             | Y      | >                        | >                            | <u>ן</u>              | Impress Current Cathodic          | -       | -         | -       | 2                      | 2                 | 1                                            |
| Dispenser Type              |         |               |        |                          |                              | -                     | Sacrificial Anode Cathodic        | -       | -         | -       | 2                      | /                 | )                                            |
| Conventional Suction        | -       | -             | -      |                          | 2                            |                       | Line Construction                 |         |           |         |                        |                   |                                              |
| Pressure                    | X       | X             | X      | 2                        | 2                            | $\left \right\rangle$ | Copper                            | -       | -         | ~~      |                        | 1                 | 2                                            |
| Safe Suction                | -       | -             | -      | )                        | 2                            | 17                    | Fiberglass (Single/DW)            | -       | -         | -       | 5                      | S                 | S                                            |
| Pressure Piping Release D   | etectio | n             |        |                          |                              |                       | Flexible Non-metallic             | X       | X         | ×       | $\left  \right\rangle$ | $\left \right $   | Ц                                            |
| Automatic Line Monitor      | X       | X             | X      | 2                        | $\overline{2}$               |                       | Steel                             | -       | -         | -       |                        | /                 | <u>                                     </u> |
| Interstitial Monitoring     | X       | X             | X      | $\left \right\rangle$    | S                            |                       | Flex Connectors (CP, Wra          | pped, E | Boot, Ise | olated) |                        |                   |                                              |
| Statistical Inventory Recon | -       | -             | -      | 5                        | $ \langle$                   | 12                    | Dispenser (CP,W,B,I)              | -       | <u> -</u> | -       | 2                      | 4                 | 4                                            |
| Tightness Testing           | -       | -             | -      | (                        | /                            | 17                    | Sub Pump (CP,W,B,I)               | -       | -         | -       | 2                      | )                 | $ \rangle$                                   |

| KDHE Tank/Line No.DOPressure Lines Release DetectionAutomatic Line MonitorXMechanical Leak Detector-Sump Sensor-Pump and Dispenser ContainmentContainment Accessed (Y/N)YDispenser (Y/N)YSump Pump (YN)YBeettmer-Operational (Y/N)30-DVoltsAmps                                                                        | -<br>-<br>Y<br>Y<br>Y | 003<br>×<br>-<br>-<br>Y<br>Y<br>Y |             | -<br>-<br>-<br>-<br>-                       | -<br>-<br>-<br>-<br>- | KDHE Tank/Line No.<br>Spill Prevention<br>Spill Buckets (Y/N)<br>Clean (Y/W/P/D)<br>Repair/Replace (Y/N)<br>Overfill Protection<br>Audible Overfill Alarm<br>Auto Shut Off Device |                      | ter,P-Pi<br>Y<br>Y<br>N | 003<br>roduct,I<br>Y<br>N |       | -<br>s)<br>-<br> | -<br>-<br>-<br>- |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------|-------------|---------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|---------------------------|-------|------------------|------------------|
| Automatic Line Monitor X<br>Mechanical Leak Detector -<br>Sump Sensor -<br>Pump and Dispenser Containment<br>Containment Accessed (Y/N) Y<br>Dispenser (Y/N) (G) Y<br>Sump Pump (Y\N) Y<br>Sump Pump (Y\N) Y<br>Sump Pump (Y\N) Y<br>Sectifier A<br>Operational (Y/N) 30-D                                             | -<br>-<br>Y<br>Y<br>Y | -<br>-<br>Y<br>Y                  | <<br>       | <u></u>                                     | 4                     | Spill Buckets (Y/N)<br>Clean (Y/W/P/D)<br>Repair/Replace (Y/N)<br><b>Overfill Protection</b><br>Audible Overfill Alarm                                                            | (W-Wa<br>Y<br>Y<br>N | ter,P-Pi<br>Y<br>Y<br>N | roduct,E<br>Y<br>Y        |       | s)<br>           | ξ                |
| Mechanical Leak Detector       -         Sump Sensor       -         Pump and Dispenser Containment       -         Containment Accessed (Y/N)       Y         Dispenser (Y/N)       Y         Sump Pump (Y\N)       Y         Sump Pump (Y\N)       Y         Reettfier       -         Operational (Y/N)       30-D  | -<br>-<br>Y<br>Y<br>Y | -<br>-<br>Y<br>Y                  | <<br>~<br>~ | 4~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~     | <u>{</u><br>}<br>{}   | Spill Buckets (Y/N)<br>Clean (Y/W/P/D)<br>Repair/Replace (Y/N)<br><b>Overfill Protection</b><br>Audible Overfill Alarm                                                            | Y<br>Y<br>N<br>-     | Y<br>Y<br>X<br>-        | Y<br>Y                    | 5     | ξ                | ξ                |
| Mechanical Leak Detector       -         Sump Sensor       -         Pump and Dispenser Containment       -         Containment Accessed (Y/N)       Y         Dispenser (Y/N)       Y         Sump Pump (Y\N)       Y         Sump Pump (Y\N)       Y         Reettifier       V         Operational (Y/N)       30-D | Y                     | -<br>Y<br>Y                       | }<br>{      | \$<br>{~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ξ<br>ζ                | Clean (Y/W/P/D)<br>Repair/Replace (Y/N)<br><b>Overfill Protection</b><br>Audible Overfill Alarm                                                                                   | <u> </u>             | N<br>-                  | •                         | 3     | ζ                | ξ                |
| Sump Sensor<br>Pump and Dispenser Containment<br>Containment Accessed (Y/N)<br>Dispenser (Y/N)<br>Sump Pump (Y\N)<br>Sump Pump (Y\N)<br>Sectifier<br>Operational (Y/N)<br>Readings Recorded (Y/N)<br>30-D                                                                                                              | Y                     | Υ                                 | 7<br>4<br>3 | ><br>{~                                     | 7<br>44               | Repair/Replace (Y/N)<br>Overfill Protection<br>Audible Overfill Alarm                                                                                                             |                      |                         | N<br>-                    | 5     | <u>ר</u>         | 5                |
| Pump and Dispenser Containment         Containment Accessed (Y/N)       Y         Dispenser (Y/N)       Y         Sump Pump (Y\N)       Y         Sectifier       Y         Operational (Y/N)       Y         Readings Recorded (Y/N)       30-E                                                                       | Y                     | Υ                                 | z           | 4                                           | 4                     | Overfill Protection<br>Audible Overfill Alarm                                                                                                                                     | _                    |                         | -                         |       |                  |                  |
| Containment Accessed (Y/N)     Y       Dispenser (Y/N)     Y       Sump Pump (Y\N)     Y       Sectifier     Y       Operational (Y/N)     Y       Readings Recorded (Y/N)     30-E                                                                                                                                    | Y                     | Υ                                 | ξ           | 27                                          | Z                     | 1                                                                                                                                                                                 | _                    | -                       | -                         | ,     | _                |                  |
| Dispenser (Y/N) (6) Y<br>Sump Pump (Y\N) Y<br>Sectifier<br>Operational (Y/N)<br>Readings Recorded (Y/N) 30-D                                                                                                                                                                                                           | Y                     |                                   | ξ           | 2                                           | Z                     | 1                                                                                                                                                                                 |                      |                         | -                         | 1     | 2                | 1                |
| Sump Pump (Y\N) Y<br>Sectifier<br>Dperational (Y/N)<br>Readings Recorded (Y/N) 30-D                                                                                                                                                                                                                                    |                       | Y                                 | 5           | 7                                           |                       |                                                                                                                                                                                   |                      | -                       | -                         | 7     | 2                | 7                |
| Deerational (Y/N)<br>Readings Recorded (Y/N) 30-D                                                                                                                                                                                                                                                                      | ay                    |                                   |             |                                             |                       | Ball Float Valve                                                                                                                                                                  | X                    | X                       | X                         | )     | ン                |                  |
| Operational (Y/N) Readings Recorded (Y/N) 30-D                                                                                                                                                                                                                                                                         | ay                    |                                   |             |                                             |                       | Operator Training                                                                                                                                                                 |                      | •                       | -                         |       | •                |                  |
| Readings Recorded (Y/N) 30-D                                                                                                                                                                                                                                                                                           | ay                    |                                   |             |                                             |                       | Class A,B or A/B                                                                                                                                                                  | N                    | one (                   | avail                     | labl, |                  |                  |
|                                                                                                                                                                                                                                                                                                                        |                       |                                   | 60-Day      |                                             |                       |                                                                                                                                                                                   |                      |                         |                           |       |                  | •                |
|                                                                                                                                                                                                                                                                                                                        |                       | Hours                             |             |                                             |                       | Class C Training (Y/N)                                                                                                                                                            | Y                    | es(r                    | เบทย                      | rous  | )                |                  |
|                                                                                                                                                                                                                                                                                                                        | <u>15005</u>          |                                   |             | IM                                          | -<br>Ŷſ0              | bez(U0014000                                                                                                                                                                      | <u>3)</u>            |                         |                           |       |                  |                  |
|                                                                                                                                                                                                                                                                                                                        |                       |                                   |             |                                             |                       |                                                                                                                                                                                   |                      |                         |                           |       |                  | <u>.</u>         |
|                                                                                                                                                                                                                                                                                                                        |                       |                                   |             |                                             |                       |                                                                                                                                                                                   | ·                    |                         |                           | -)6-  |                  |                  |

**Owner/Operator** 

Inspector

Page 2

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| Submit to:       Kansas Department of Health -         Bureau of Environmental Ren       1000 SW Jackson, Suite 410,         Facility Name:       Casey's 2826         Facility Address:       2100 S 414         *Complete only the information pertaining to         KDHE Tank/Line#         Standby Tank (yes/no)         Tank Release Detection Test Date:         Interstitial Monitor DW         Statistical Inventory Recon.         Tightness Testing         Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | nediati<br>, Tope | ion-Storage<br>ka, KS 666             | e Tank Section<br>612-1367<br>City: <u>Leaven Do M</u><br><u>rk on the repair or upgrade/mo</u><br><u>KDHE Tank/Line#</u><br><u>Tank Corrosion Protectio</u><br>Repair to Existing Cath. Pro<br>Sacrificial Anodes<br>Impressed Current<br>No. of Anodes Replaced<br>No. of Anodes Replaced<br>No. of Anodes Added<br>Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other: | Fax#       | 785-2                                 | No:             |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------|-----------------|-----|
| Facility Name:       Casey's 2826         Facility Address:       2100 S 41 <sup>-15</sup> *Complete only the information pertaining to       KDHE Tank/Line#         Standby Tank (yes/no)       Interstitial Monitor DW         Tank Release Detection Test Date:       Interstitial Monitor DW         Statistical Inventory Recon.       Interstitial Monitor DW         Statistical Inventory Recon.       Interstitial Monitor DW         Manual Tank Gauging       Intersection Test Date:         Dispenser Tank Gauging       Intersection Test Date:         Dispenser Type       Intersection Test Date:         Pressure       Safe Suction         Conventional Suction       Intersection         Piping Release Detection Test Date:       Intersection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | the ap            |                                       | City: <u>Leaven Do MM</u><br>rk on the repair or upgrade/mo<br>KDHE Tank/Line#<br>Tank Corrosion Protectio<br>Repair to Existing Cath. Pro<br>Sacrificial Anodes<br>Impressed Current<br>No. of Anodes Replaced<br>No. of Anodes Replaced<br>No. of Anodes Added<br>Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                   | odificati  | on appl                               | No:             |     |
| Facility Address:       2100 S 44 S         Complete only the information pertaining to         KDHE Tank/Line#         Standby Tank (yes/no)         Tank Release Detection Test Date:         Interstitial Monitor DW         Statistical Inventory Recon.         Tightness Testing         Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   | proved wo                             | rk on the repair or upgrade/mc<br>KDHE Tank/Line#<br>Tank Corrosion Protectio<br>Repair to Existing Cath. Pro<br>Sacrificial Anodes<br>Impressed Current<br>No. of Anodes Replaced<br>No. of Anodes Replaced<br>No. of Anodes Added<br>Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                | odificati  | on appl                               | No:             |     |
| Complete only the information pertaining to         KDHE Tank/Line#         Standby Tank (yes/no)         Tank Release Detection Test Date:         Interstitial Monitor DW         Statistical Inventory Recon.         Tightness Testing         Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | proved wo                             | KDHE Tank/Line#         Tank Corrosion Protectio         Repair to Existing Cath. Pro         Sacrificial Anodes         Impressed Current         No. of Anodes Replaced         No. of Anodes Added         Repair to Rectifier         Repair to CP wiring         Interior Lining         Interior Lining Installation/In                                                                                                    |            | est Date                              | 9:<br>No:       |     |
| Standby Tank (yes/no)         Tank Release Detection Test Date:         Interstitial Monitor DW         Statistical Inventory Recon.         Tightness Testing         Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                                       | Tank Corrosion Protectio         Repair to Existing Cath. Pro         Sacrificial Anodes         Impressed Current         No. of Anodes Replaced         No. of Anodes Added         Repair to Rectifier         Repair to CP wiring         Interior Lining         Interior Lining Installation/In         Other:                                                                                                             |            | ? Yes:                                |                 |     |
| Tank Release Detection Test Date:         Interstitial Monitor DW         Statistical Inventory Recon.         Tightness Testing         Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       | Repair to Existing Cath. ProSacrificial AnodesImpressed CurrentNo. of Anodes ReplacedNo. of Anodes AddedRepair to RectifierRepair to CP wiringInterior LiningInterior Lining Installation/InOther:                                                                                                                                                                                                                               |            | ? Yes:                                |                 |     |
| Interstitial Monitor DW         Statistical Inventory Recon.         Tightness Testing         Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                       | Sacrificial Anodes<br>Impressed Current<br>No. of Anodes Replaced<br>No. of Anodes Added<br>Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                           |            |                                       |                 |     |
| Statistical Inventory Recon.       Image: Constraint of the state of  |                   |                                       | Impressed Current<br>No. of Anodes Replaced<br>No. of Anodes Added<br>Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                                                 |            | on Date                               |                 |     |
| Tightness Testing       Image: Constraint of the second seco |                   |                                       | No. of Anodes Replaced<br>No. of Anodes Added<br>Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                                                                      |            | on Date:                              |                 |     |
| Manual Tank Gauging         Automatic Tank Gauging         Other:         Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                       | No. of Anodes AddedRepair to RectifierRepair to CP wiringInterior LiningInterior Lining Installation/InOther:                                                                                                                                                                                                                                                                                                                    | nspectic   | on Date:                              |                 |     |
| Automatic Tank Gauging       Other:         Other:       Dispenser Type         Pressure       Safe Suction         Conventional Suction       Prest Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                                       | Repair to Rectifier<br>Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                                                                                                                       | nspectic   | on Date:                              |                 |     |
| Other: Dispenser Type Pressure Safe Suction Conventional Suction Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                                       | Repair to CP wiring<br>Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                                                                                                                                              | nspectio   | on Date:                              |                 |     |
| Dispenser Type         Pressure         Safe Suction         Conventional Suction         Piping Release Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                       | Interior Lining<br>Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                                                                                                                                                                     | nspectio   | on Date:                              |                 | -   |
| Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                       | Interior Lining Installation/In<br>Other:                                                                                                                                                                                                                                                                                                                                                                                        | nspectio   | on Date:                              |                 |     |
| Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                           | nspectio   | on Date:                              |                 | . 1 |
| Conventional Suction Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                           | T          |                                       |                 |     |
| Piping Release Detection Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                       |                 | Τ   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | Line Corrosion Protection                                                                                                                                                                                                                                                                                                                                                                                                        | n Test     | t Date:                               |                 |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | Repair to Existing Cath. Pro                                                                                                                                                                                                                                                                                                                                                                                                     | otection   | ? Yes:                                | No:             |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | Sacrificial Anodes                                                                                                                                                                                                                                                                                                                                                                                                               | 1 1        |                                       |                 | T   |
| Tightness Testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                                       | Impressed Current                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                       |                 | +   |
| Interstitial Monitor (sump)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                       | No. of Anodes Replaced                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                       |                 | +-  |
| Automatic Line Monitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                       | No. of Anodes Added                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                       |                 | +   |
| Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                       | Repair to Rectifier                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                       | · · · · · · · · | +   |
| Pressure Line Rel. Det. Test Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   | !                                     | Repair to CP wiring                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                       |                 | +   |
| Mechanical Leak Detector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                       |                 |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | ·····                                                                                                                                                                                                                                                                                                                                                                                                                            |            | L                                     | L               |     |
| Continuous Alarm w/shutoff                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                                       | Flex Connectors:                                                                                                                                                                                                                                                                                                                                                                                                                 | - <u>1</u> | · · · · · · · · · · · · · · · · · · · |                 | Τ   |
| Automatic Line Monitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                       | Tank (STP)                                                                                                                                                                                                                                                                                                                                                                                                                       |            | <u> </u>                              |                 |     |
| Positive Shutoff                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       | Line (Dispenser)                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                       |                 |     |
| STP Sump Sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | Sacrificial Anodes                                                                                                                                                                                                                                                                                                                                                                                                               |            | ╞───╂-                                |                 |     |
| Dispenser Sump Sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                       | Wrapped                                                                                                                                                                                                                                                                                                                                                                                                                          |            | <b> </b>  -                           |                 |     |
| Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>ا</b> ــــــا  | I                                     | Booted                                                                                                                                                                                                                                                                                                                                                                                                                           |            | <b> </b>  -                           |                 | +   |
| Pump and Dispenser Containment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | r                 | · · · · · · · · · · · · · · · · · · · | Isolated from Soil                                                                                                                                                                                                                                                                                                                                                                                                               |            |                                       |                 |     |
| Submersible Pump Pan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                                       | Impressed Current                                                                                                                                                                                                                                                                                                                                                                                                                |            | <u> </u>                              |                 |     |
| Dispenser Pan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  | t Date:    | ·                                     | ······          |     |
| Transition Sump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | Fiberglass                                                                                                                                                                                                                                                                                                                                                                                                                       | _          |                                       |                 |     |
| Submersible Pump ceplace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                       | Flexible Nonmetallic                                                                                                                                                                                                                                                                                                                                                                                                             |            |                                       |                 |     |
| STP(Submersible Pump) Jet :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Dies              | el STP                                | Double Wall                                                                                                                                                                                                                                                                                                                                                                                                                      |            | <u> </u>                              |                 |     |
| Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                       | Line Manufacturer:                                                                                                                                                                                                                                                                                                                                                                                                               |            |                                       |                 |     |
| Spill Prevention Model #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                                       | Length Installed (Feet)                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                       |                 | ·   |
| Spill Buckets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                       |                 |     |
| Overfill Prevention Model #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                       | District Inspection                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                       |                 |     |
| Overfill Shutoff Device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                       | Contacted District Office                                                                                                                                                                                                                                                                                                                                                                                                        | Y          | es:                                   | No:             |     |
| Overfill Shutoff with Drop Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | Inspection Date:                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                       |                 |     |
| Audible Overfill Alarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                       | Fix Inspection Deficiencies                                                                                                                                                                                                                                                                                                                                                                                                      | \$         |                                       |                 | Τ   |
| Ball Float Valve                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       | Drop Tubes                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                       |                 | Τ   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                       | BUREALLOF                                                                                                                                                                                                                                                                                                                                                                                                                        | ·  ·····   | +                                     |                 | -   |

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10/13/14

| 04/03 UST009                                                                     | KDHE Reference No: C<br>UST Repair Notificatio<br>(Petroleum Products and Hazardous Substa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Submit to:                                                                       | Kansas Department of Health and Environment<br>Bureau of Environmental Remediation<br>Storage Tank Section<br>1000 SW Jackson, Suite 410<br>Topeka KS 66612-1367<br>Phone: 785 296-8061 Fax: 785 296-6190                                                                                                                                                                                                                                                                                                                                                                   | KDHE USE ONLY: 1/542<br>State of Kansas - Division of Environment<br>APPROVED<br>When constructed to conform with Art. 44<br>Date: 10-8-2014<br>By: Churlenber I East                             |
| UST Upgrade                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                   |
| A. Fa<br>B. Fa                                                                   | icility Name: <u>Casey's General Store #28</u><br>icility Address: <u>2100 S 4<sup>th</sup> Leav</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 26<br>=nworth KS 66048                                                                                                                                                                            |
|                                                                                  | (street) (cit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (state) (zip)                                                                                                                                                                                     |
| C. Co<br>III. Contracto<br>A. Co<br>B. Co<br>C. Co<br>Er<br>IV. KDHE Ta<br>A. De | wher Name: <u>Casey's Retail Compar</u><br>wher Name: <u>Casey's Retail Compar</u><br>wher Address: <u>POBox 301</u> , <u>One Convenience Blu</u><br>ontact Person: <u>Jill Reams - Widder</u><br>or Information<br>ontractor Name: <u>Itasclwood Inc</u> License<br>ontractor Address: <u>IOC Dexter St</u><br>(street)<br>ontact Person: <u>Ed Haselwood</u><br>mail <u>ed@ haselwood-inc.com</u> Fax: ()<br>ank or Line Nos. to be repaired: <u>003</u> ,<br>escribe the repairs to be done. Attach manufacturer's repair in<br><u>replaced syphon jet on Diesel STP</u> | (city) / (state) (zip)<br>Phone: $(5/5) 965 - 6/00 ex + 623$<br>e No. & Exp. Date.: $CO578^{\circ} 2 - 1 - 20/4$<br>C/ay Center KS 62432<br>(city) (state) (zip)<br>Phone: $(785) 630 - 0299$<br> |
| C. Ar<br>D. Ha                                                                   | re tanks to be taken out of service because of this proposed re<br>ave tank or line failures lead to this proposed repair? Yes<br>If yes, to whom was the leak reported?<br>failures have occurred, please briefly describe the incident:                                                                                                                                                                                                                                                                                                                                   | No <u></u>                                                                                                                                                                                        |
| V. System Te<br>A. A t<br>that routinely<br>monitoring de                        | this facility in the State Trust Fund for environmental cleanup?<br>est:<br>ightness test must be performed within thirty (30) days if repair<br>contain fuel. Only that portion of the system repaired must be<br>evice may be substituted for a tightness test. Test method use<br>the cathodic protection system has been repaired, a system te                                                                                                                                                                                                                          | irs were done to portions of the UST system<br>e tested. A printout from an automated monthly<br>ed:                                                                                              |

repair. Impressed current cathodic protection system has been repaired, a system test must be performed within six months of repair. VI. Applicant's Certification:

I certify that the information above is true to the best of my knowledge and that all equipment will be repaired in compliance with the manufacturers' repair instructions if applicable. The repair will be performed in compliance with all federal, state, and local regulations.

Ê

KDHE Licensed Installer's Signature

<u>975</u> 10#VIRONMENTAL REMEDIATION

<u>3-19-14</u> (Date)

MAR 27 2014

RECEIVED

Bureau of Environmental Remediation Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

Robert Moser, MD, Secretary



Phone: 785.296.1685 Fax: 785.296.6190 ceichman@kdheks.gov www.kdheks.gov

Department of Health & Environment

Sam Brownback, Governor

October 8, 2014

Mr. Ed Haselwood, 10975 Haselwood Inc. 100 Dexter St Clay Center, KS 67432

# Re: Approved UST Repair Notification (UST009) Form: Casey's General Store #2826, 2100 S. 4<sup>th</sup> Street, Leavenworth, KS 66048 (Fac. ID #30435)

Dear Mr. Haselwood:

I have reviewed and approved the "UST Repair Notification (UST009)" form for the underground storage tanks at the above referenced facility. The Notification reports work to replace the syphon jet on the STP for Tank U003.

K.A.R. 28-44-15 (b) (1) authorizes Licensed UST Contractors to make repair applications by telephone if the repair is essential to protect public health and the environment. In addition to using the telephone, Contractors may make contact with KDHE by fax or email when a repair is deemed necessary. Should repairs be made during non-work hours or on the weekend, the Contractor must make contact with KDHE on the first workday following that repair. After notifying KDHE of the repair, Contractors may submit the Repair Notification (UST009) forms up to 30 days following the completion of the work.

Please find enclosed an:

• "Underground Storage Tank Compliance Verification (UST004)" form to be filed after the work is completed. (Received on 3/27/2014)

KDHE understands that the work is completed to the state standards; the Underground Storage Tank Compliance Verification (UST004) has been received for this job. <u>KDHE considers the notification closed</u> and no further action is needed at this time.

Please forward copies of all the forms to the Owner of the UST system you have repaired or upgraded as soon as the work is completed. Finally, if you have not already done so, arrange for a facility inspection with the nearest KDHE District Office. Thank you for your continued cooperation.

Mr. Ed Haselwood, 10975 October 8, 2014 Page 2 of 2

Sincerely,

Churche Lal

Christopher L Eichman Environmental Scientist KDHE-BER-Storage Tank Section

CLE: RA

PC: (owner/operator), KDHE-NEDO, file

Bureau of Environmental Remediation Curtis State Office Building 1000 SW Jackson St. Suite 410 Topeka, KS 66612-1367



Phone: 785-296-1678 Fax: 785-296-6190 www.kdheks.gov

Robert Moser, MD, Secretary Division of Environment

KDHE District NE Owner ID 06884 CASEY'S RETAIL COMPANY PO BOX 3004, ONE CONVENIENCE BLVD ANKENY, IA 50021

Department of Health & Environment June 25, 2014 Sam Brownback, Governor

Re: Facility ID 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

**TANKS: 003** 

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE will not issue your 2014/2015 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. Either these USTs have fallen out of compliance since your 2013/2014 permits printed, or you have not received your 2013/2014 permits. KDHE will not issue new permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

KDHE has not received the latest results of your most current ALM, LLD, or MLD function test (s) for tank number(s): 003. Federal and KDHE regulations require the ALM, LLD, or MLD be tested annually.

If you plan on operating your USTs, you are required to bring your tanks into compliance with the UST regulations to receive your 2014/2015 permits. If you have any questions concerning this letter or if you would like to discuss your options in bringing your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Meerian Environmental Scientist IV Storage Tank Section Buseau of Environmental Remediation Curitis State Office Building 1009.SW.Jackson St., Suita 410 Topeka, KS 66612-1367



Phone: 785.296.1678 Fax: 785.296.6190 www.kdhabs.gov

Robert Moser, MD. Secretary Division of Environment

KDHE District NE Owner ID: 06884

ANKENY, IA 50021

Department of Health & Environment May 13, 2014 Sam Brownback, Governor

Re: Facility 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 003

Attention Underground Storage Tank Owner:

CASEY'S RETAIL COMPANY

PO BOX 3004, ONE CONVENIENCE BLVD

The purpose of this letter is to inform you that KDHE **has issued** your 2013/2014 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. However, since the printing of your UST permits, the USTs have fallen out of compliance. KDHE will not print 2014/2015 UST Operating Permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

## KDHE has not received the latest results of your most current ALM , LLD, or MLD function test (s) for tank number(s): 003. Federal and KDHE regulations require the ALM , LLD, or MLD be tested annually.

Your current 2013/2014 UST permits will expire on July 31, 2014. If you plan on operating your USTs after July 31, 2014, you are required to bring your tanks into compliance with KDHE UST regulations to receive your 2014/2015 permits. If you have any questions concerning this letter or if you would like to discuss your options to bring your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Meerian Environmental Scientist IV Storage Tank Section

#### Kansas Department of Health and Environment

#### 2014 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

### REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2014.

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of <u>\$30.00</u> must be submitted to KDHE at the address below with this **Renewal Invoice**.

|                                                                                 | Owner                |                      |                                                                               | Facility      |                |
|---------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------|---------------|----------------|
| Owner ID: 06884<br>CASEY'S RETAIL CO<br>PO BOX 3004, ONE CO<br>ANKENY, IA 50021 |                      | ,                    | Facility ID: 30435<br>CASEY'S GENERAL<br>2100 S. 4TH STREET<br>LEAVENWORTH, K | ſ             |                |
| Tank Number                                                                     | U001                 | U002                 | U003                                                                          |               |                |
| Status of Tank                                                                  | In Use               | In Use               | In Use                                                                        |               |                |
| Exempt?                                                                         | No                   | No                   | No                                                                            |               |                |
| Year Installed                                                                  | 2009                 | 2009                 | 2009                                                                          |               |                |
| Capacity (Gallons)                                                              | 20,000               | 12,000               | 8,000                                                                         |               |                |
| Product Stored                                                                  | Gas Unleaded Regular | Gas Unleaded Premium | Diesel Clear                                                                  | KEC.          | EIIVIED.       |
| CAS Number                                                                      | 8006-61-9            | 8006-61-9            | 68476-34-6                                                                    |               |                |
| Physical/Health Hazards*                                                        | F,C,A                | F,C,A                | F,C,A                                                                         | MAR           | 8 1 2614       |
| Tank Release Detection                                                          | IMDW, ATG            | IMDW, ATG            | IMDW, ATG                                                                     |               | <b>.</b>       |
| Model / Service                                                                 | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                           |               | ФАО Ox         |
| Dispenser Type                                                                  | Pressure             | Pressure             | Pressure                                                                      | THE RECTAINED | AL REMEDIATION |
| Shutoff/Alarm/FR/ALM                                                            | ALM                  | ALM                  | ALM                                                                           |               |                |
| Line Release Detection                                                          | IM, ALM              | IM, ALM              | IM, ALM                                                                       |               |                |
| Model / Service                                                                 | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                           |               |                |
| Financial Responsibility                                                        | SI 08/27/2014        | SI 08/27/2014        | SI 08/27/2014                                                                 |               |                |

(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

(3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, **provide a written description of any needed changes on this invoice** and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. Failure to complete this invoice and submit it with the appropriate fees prior to April 30, 2014 will prevent you from obtaining the required Permits before July 31, 2014.

| Certification of Accuracy | Y           |                 |
|---------------------------|-------------|-----------------|
| Owner Contact Person (pr  | int name):  | Facility Phone: |
| JILL REAMS-WIDDER         |             | 515-965-6238    |
| Owner Signature:          | Sellan )    | Date: 3/26/2014 |
| 24-Hour Contact Name:     | Cell Phone: | 24-Hour Phone:  |
| JILL-REAMS-WIDDER         |             | 515-965-6238    |

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at http://www.accesskansas.org/kdem/contact\_us/cocoordinator\_lepclistin g.shtml

Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s). 1007093189

| 1000 SW Jacks<br>Facility Name: (معدين                   | nent of<br>ronmer<br>son, Su<br>Z8 | Health and<br>ntal Remeduite 410, To<br>326 | d Enviror<br>diation-St | torage   | 9 Tank Section<br>612-1367      | Fax#         | 785-          | -296-806<br>296-619                           | ю             |
|----------------------------------------------------------|------------------------------------|---------------------------------------------|-------------------------|----------|---------------------------------|--------------|---------------|-----------------------------------------------|---------------|
| Facility Address: 2100<br>*Complete only the information | <u>S 4</u>                         | ning to the                                 | -                       | -d wo    | City: <u>Leavenworth</u>        | State:       |               | Zip: <u>6</u>                                 | ,604          |
| KDHE Tank/Line#                                          | 003                                |                                             |                         | <u></u>  | KDHE Tank/Line#                 | T            |               | <u>moano</u>                                  |               |
| Standby Tank (yes/no)                                    | 1                                  | <u> </u>                                    | +                       |          | Tank Corrosion Protectio        | 1            | est Dat       | <br>te:                                       | l             |
| Tank Release Detection Te                                | ast Daf                            | ie:                                         |                         | L        | Repair to Existing Cath. Pro    |              |               |                                               |               |
| Interstitial Monitor DW                                  | T                                  | Ĭ.                                          |                         |          | Sacrificial Anodes              |              | <u>i i</u>    |                                               | Τ             |
| Statistical Inventory Recon.                             | +                                  |                                             |                         |          | Impressed Current               | <u>†</u> ─── |               |                                               |               |
| Tightness Testing                                        |                                    | <b> </b>                                    |                         | <u> </u> | No. of Anodes Replaced          | +            |               |                                               |               |
| Manual Tank Gauging                                      | 1                                  | 1                                           |                         | <u> </u> | No. of Anodes Added             | +            |               |                                               |               |
| Automatic Tank Gauging                                   | 1                                  | <u> </u> − +−−                              |                         |          | Repair to Rectifier             | +            |               | <u> </u>                                      |               |
| Other:                                                   | +                                  | <u>}</u>                                    |                         |          | Repair to CP wiring             |              | <u>├</u> †    |                                               | -             |
| Dispenser Type                                           | <u></u>                            | ـــــــــــــــــــــــــــــــــــــ       | <u>_</u>                | L        | Interior Lining                 | 1            |               | <u> </u>                                      |               |
| Pressure                                                 | T                                  | [ ]                                         | ,                       |          | Interior Lining Installation/In | spectio      | on Date       | <u></u>                                       |               |
| Safe Suction                                             | +                                  | <u> </u>                                    |                         | <u> </u> | Other:                          | T            |               | <u>,                                     </u> |               |
| Conventional Suction                                     | 1                                  |                                             | -                       | <u> </u> | Line Corrosion Protection       | 1 Tes        | t Date        | :                                             | <b>·</b>      |
| Piping Release Detection                                 | Test D                             | )ate:                                       |                         | ·        | Repair to Existing Cath. Pro    | otectior     | 1? Yes:       | : No                                          | <u></u><br>כו |
| Statistical Inventory Recon.                             | 1                                  |                                             |                         |          | Sacrificial Anodes              | Γ            |               |                                               |               |
| Tightness Testing                                        |                                    |                                             |                         |          | Impressed Current               |              |               |                                               |               |
| Interstitial Monitor (sump)                              |                                    | <u> </u>                                    | -                       |          | No. of Anodes Replaced          | 1            | []            |                                               |               |
| Automatic Line Monitor                                   | 84                                 |                                             |                         |          | No. of Anodes Added             |              |               |                                               |               |
| Other:                                                   | +~                                 | <u> </u>                                    |                         |          | Repair to Rectifier             | 1            |               |                                               | $\neg$        |
| Pressure Line Rel. Det. Tes                              | at Date                            | * 3-20-13                                   | PLLDO                   | e tost   |                                 | <u> </u>     |               |                                               |               |
| Mechanical Leak Detector                                 | 1                                  |                                             |                         | <u> </u> | Other:                          |              |               |                                               | +             |
| Continuous Alarm w/shutoff                               | +                                  |                                             |                         | <u> </u> | Flex Connectors:                | -L           | L             |                                               |               |
| Automatic Line Monitor                                   | ×                                  | <u>}</u> }                                  |                         | <u> </u> | Tank (STP)                      |              |               |                                               | <u> </u>      |
| Positive Shutoff                                         |                                    | <u> </u>                                    |                         | <u> </u> | Line (Dispenser)                | <u> </u>     |               | <u> </u>                                      |               |
| STP Sump Sensor                                          | +                                  |                                             |                         |          | Sacrificial Anodes              | <u> </u>     | <u>├</u> ──┼  |                                               |               |
| Dispenser Sump Sensor                                    | +                                  |                                             |                         | <u> </u> | Wrapped                         | +            |               |                                               |               |
| Other:                                                   | +                                  |                                             |                         | <b></b>  | Booted                          | +            | ╂───┼         |                                               |               |
| Pump and Dispenser Conta                                 | linmen                             | 1                                           |                         | L        | Isolated from Soil              | 1            |               |                                               |               |
| Submersible Pump Pan                                     |                                    | i T                                         | <u> </u>                | [        | Impressed Current               | +            |               |                                               |               |
| Dispenser Pan                                            | +                                  | <u> </u>                                    |                         | <u> </u> |                                 | Date:        | L             |                                               |               |
| Transition Sump                                          | +                                  | <u> </u>                                    |                         | <u> </u> | Fiberglass                      |              |               |                                               |               |
| Submersible Pump                                         | +                                  | <b>├</b> ──-                                |                         | <u> </u> | Flexible Nonmetallic            | <u> </u>     |               |                                               |               |
| STP(Submersible Pump)                                    | 570                                | lared :                                     | en hina                 | int      | Double Wall                     | +            | <b>├</b> ──┤  |                                               |               |
| Other:                                                   | 8n5                                |                                             | phart                   | 25       | Line Manufacturer:              | 1            | L             |                                               |               |
|                                                          | del #:                             |                                             | l                       | I        | Length Installed (Feet)         |              |               |                                               |               |
| Spill Buckets                                            | 1                                  |                                             |                         | <u> </u> | Other:                          |              |               | <u> </u>                                      |               |
|                                                          | del #:                             | L                                           |                         | L        | District Inspection             | <u> </u>     | L             |                                               |               |
| Overfill Shutoff Device                                  | 101 #.                             |                                             |                         |          | Contacted District Office       |              | es:           | No:                                           |               |
| Overfill Shutoff with Drop Tub                           |                                    | <u>├</u> ├                                  |                         |          | Inspection Date:                |              | <u></u>       |                                               |               |
| Audible Overfill Alarm                                   | 1                                  | <u> </u>                                    |                         |          | Fix Inspection Deficiencies     | 1            |               |                                               |               |
| Ball Float Valve                                         | +                                  | <u> </u>                                    |                         |          | Drop Tubes                      |              | <u>├</u> ───┤ |                                               | -             |
| Dali i Ivat valve                                        |                                    | +                                           | <u> </u>                | h        |                                 |              | ┟╌┈╾┽         |                                               |               |

CLE 5-7-2013

BUREAU OF ENVIRONMENTAL REMEDIATION

MAY 0 6 2013

5/10/13

06884-30435 10700

Bureau of Environmental Remediation Curtis State Office Building 1000 SW Jackson St., Suite 410 Topeka, KS 66612-1367

Robert Moser, MD, Secretary



Phone: 785.296.1685 Fax: 785.296.6190 ceichman@kdheks.gov www.kdheks.gov

Department of Health & Environment

Sam Brownback, Governor

May 9, 2013

Mr. Ed Haselwood, 10975 Haselwood Inc. 100 Dexter St Clay Center, KS 67432

## Re: Approved UST Repair Notification (UST009) Form: Casey's General Store #2826, 2100 S. 4<sup>th</sup> St, Leavenworth, KS 66048 (Fac. ID #30435).

Dear Mr. Haselwood:

I have reviewed and approved the "UST Repair Notification (UST009)" form for the underground storage tanks at the above referenced facility. The Notification reports work to install a new syphon jet on the STP for Tank U003.

K.A.R. 28-44-15 (b) (1) authorizes Licensed UST Contractors to make repair applications by telephone if the repair is essential to protect public health and the environment. In addition to using the telephone, Contractors may make contact with KDHE by fax or email when a repair is deemed necessary. Should repairs be made during non-work hours or on the weekend, the Contractor must make contact with KDHE on the first workday following that repair. After notifying KDHE of the repair, Contractors may submit the Repair Notification (UST009) forms up to 30 days following the completion of the work.

Please find enclosed an:

 "Underground Storage Tank Compliance Verification (UST004)" form to be filed after the work is completed. (Received on 5/6/2013)

KDHE understands that the work is completed to the state standards; the Underground Storage Tank Compliance Verification (UST004) has been received for this job. <u>KDHE considers the notification closed</u> and no further action is needed at this time. Mr. Ed Haselwood, 10975 May 9, 2013 Page 2 of 2

.

Please forward copies of all the forms to the Owner of the UST system you have repaired or upgraded as soon as the work is completed. Finally, if you have not already done so, arrange for a facility inspection with the nearest KDHE District Office. Thank you for your continued cooperation.

Sincerely,

Child Sel-Christopher L Eichman

Christopher L Eichman Environmental Scientist KDHE-BER-Storage Tank Section

CLE: PB

PC: (owner/operator), KDHE-NEDO, file

| 04/03 UST009                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KDHE Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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Hase</u><br>nail <u>COO hase wood</u> -<br><b>nk or Line Nos, to be repaired</b><br>scribe the repairs to be done.<br><u>Replace</u> <u>Syph</u><br>scribe reason for repairs: <u></u><br>e tanks to be taken out of service<br>ve tank or line failures lead to t                                                                                                                                                                                                                                                                                                                                                                                                     | exter St<br>Lwood<br>Jac. 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A ti                                                                                                                                                | ntractor Address: <u>100</u> <u>b</u><br>(stree<br>mail <u>COO base Hase</u><br>nail <u>COO base Hase</u><br><b>ank or Line Nos, to be repaired</b><br>scribe the repairs to be done.<br><u>Replace</u> <u>Syph</u><br>scribe reason for repairs: <u></u><br>e tanks to be taken out of servic<br>ve tank or line failures lead to t<br>If yes, to whom was the leak re<br>ailures have occurred, please b<br>his facility in the State Trust Fur<br>st:<br>ghtness test must be performed                                                                                                                                                                                                                                                   | exter St<br>Jwood<br>Jac. Com Fax: (<br>d:<br>Attach manufacturer's rep<br>San. 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Y<br>e<br>nup?Ye<br>repairs were<br>st be tested.<br>i used:<br>em test must<br>spected within<br>wiedge and t<br>the repair will t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | $\frac{(city)}{(city)} = \frac{Phone: (78)}{Phone: (78)}$ $\frac{Phone: (78)}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <pre>KS (state) (stat</pre> | <u>ح</u> 2<br>(zip)<br>ح<br>     |
| B. Co<br>C. Co<br>Er<br>IV. KDHE Ta<br>A. De<br>B. De<br>B. De<br>C. Ar<br>D. Ha<br>E. If f<br>F. Is ti<br>V. System Te<br>A. A ti<br>that routinely of<br>monitoring dev<br>B. If t<br>repair. Impress<br>VI. Applicant<br>I certif<br>compliance wi<br>federal, state, | ntractor Address: <u>100 Decemptation</u><br>(stree<br>mail <u>COO base Hase</u><br>mail <u>COO base Hase</u><br><b>ank or Line Nos. to be repaired</b><br>scribe the repairs to be done.<br><u>Replace</u> <u>Syph</u><br>scribe reason for repairs: <u></u><br>e tanks to be taken out of service<br>ve tank or line failures lead to t<br>If yes, to whom was the leak re<br>ailures have occurred, please b<br>his facility in the State Trust Fur<br>st:<br>ghtness test must be performed<br>contain fuel. Only that portion of<br>ice may be substituted for a tig<br>ne cathodic protection system h<br>sed current cathodic protection<br>'s Certification:<br>y that the information above is the<br>the manufacturers' repair ins | exter St       Jwood       Jwood       Jiaccom       Fax: (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ed repair? Y<br>ed repair? Y<br>ed repair? Y<br>e<br>nup?Ye<br>repairs were<br>st be tested.<br>i used:<br>em test must<br>spected within<br>wiedge and t<br>the repair will t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | $\frac{(city)}{(city)} = \frac{Phone: (78)}{Phone: (78)}$ $\frac{Phone: (78)}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <pre>KS (state) (stat</pre> | <u>ح</u> 2<br>(zip)<br>ح<br>     |

MAY 0 6 2013

RECEIVED

#### Kansas Department of Health and Environment 2013 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

# REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2013.

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of <u>\$30.00</u> must be submitted to KDHE at the address below with this **Renewal Invoice**.

|                                                                                                    | Owner                |                      | Facility                                                                                           |            |                             |  |  |  |
|----------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------------------------------------------------------------------------------------|------------|-----------------------------|--|--|--|
| Owner ID: 06884<br>CASEY'S RETAIL COMPANY<br>PO BOX 3001, ONE CONVENIENCE BLVD<br>ANKENY, IA 50021 |                      |                      | Facility ID: 30435<br>CASEY'S GENERAL STORE - #2826<br>2100 S. 4TH STREET<br>LEAVENWORTH, KS 66048 |            |                             |  |  |  |
| Tank Number                                                                                        | U001                 | U002                 | U003                                                                                               |            |                             |  |  |  |
| Status of Tank                                                                                     | In Use               | In Use               | In Use                                                                                             |            | RECEN                       |  |  |  |
| Exempt?                                                                                            | No                   | No                   | No                                                                                                 |            | RECEIVED                    |  |  |  |
| Year Installed                                                                                     | 2009                 | 2009                 | 2009                                                                                               | Mx         | 10                          |  |  |  |
| Capacity (Gallons)                                                                                 | 20,000               | 12,000               | 8,000                                                                                              |            | - 1 /01a                    |  |  |  |
| Product Stored                                                                                     | Gas Unleaded Regular | Gas Unleaded Premium | Diesel Clear                                                                                       | ENVIRON BU | REAU OF<br>ITAL REMEDIATION |  |  |  |
| CAS Number                                                                                         | 8006-61-9            | 8006-61-9            | 68476-34-6                                                                                         | TIMEN      | ITAL REAL                   |  |  |  |
| Physical/Health Hazards*                                                                           | F,C,A                | F,C,A                | F,C,A                                                                                              |            | EDIATION                    |  |  |  |
| Tank Release Detection                                                                             | IMDW, ATG            | IMDW, ATG            | IMDW, ATG                                                                                          |            |                             |  |  |  |
| Model / Service                                                                                    | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                                                |            |                             |  |  |  |
| Dispenser Type                                                                                     | Pressure             | Pressure             | Pressure                                                                                           |            |                             |  |  |  |
| Shutoff/Alarm/FR/ALM                                                                               | ALM                  | ALM                  | ALM                                                                                                |            |                             |  |  |  |
| Line Release Detection                                                                             | IM, ALM              | IM, ALM              | IM, ALM                                                                                            |            |                             |  |  |  |
| Model / Service                                                                                    | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                                                |            |                             |  |  |  |
| Financial Responsibility                                                                           | SI 08/28/2013        | SI 08/28/2013        | SI 08/28/2013                                                                                      |            |                             |  |  |  |

(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

(3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, **provide a written description of any needed changes on this invoice** and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. Failure to complete this invoice and submit it with the appropriate fees prior to April 30, 2013 will prevent you from obtaining the required Permits before July 31, 2013.

| Certification of Accuracy                            |                                              |
|------------------------------------------------------|----------------------------------------------|
| Owner Contact Person (print name):                   | Facility Phone:                              |
| JILL REAMS-WIDDER                                    | 515-965-6238                                 |
| Owner Signature:<br>Der Mason for All Reams - Widder | Date: 3/2//2013                              |
| 24-Hour Contact Name: // Cell Phone:                 | 24-Hour Phone:                               |
| JILL-REAMS-WIDDER                                    | 515-965-6238                                 |
| Q 1 '4 4 Please direct quest                         | ions concerning the underground storage tank |

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at http://www.accesskansas.org/kdem/contact\_us/cocoordinater\_lepclistin g.shtml

Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).

| OWNERSHIP OF TA<br>Owner ID: <u>UG884</u><br>Owner Name: Casey's Retain<br>Address: PO Box 3001, One Con<br>City: Ankeny, IA<br>Contact Person: Jii Reams. Widdo<br>Tank ID Number<br>Operating Permit (Y or N)<br>In Use (Y or N) If N, date last used<br>< 1" Product in Tank (Y or N)<br>UST Dimension or Capacity | Compan<br>Ivenience<br>Zip: 5 |                     | Address: 2                 | 3<br>ne: Casey | rion OF TA<br>0435<br>S Cenera |                   | #101         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------|----------------------------|----------------|--------------------------------|-------------------|--------------|
| Owner Name: Casey's Retail<br>Address: PO Box 3001, One Con<br>City: AnKeny, IA<br>Contact Person: Jill Reams-Widde<br>Tank ID Number<br>Operating Permit (Y or N)<br>In Use (Y or N) If N, date last used<br>< 1" Product in Tank (Y or N)                                                                           | Zip: 5<br>Phone:              | BTud.               | Facility Nam<br>Address: 2 | ne: Casey      | 's Cenera                      | 1 Stace           | #101         |
| Address: PO Box 3001, One Con<br>City: AnKeny, IA<br>Contact Person: Jill Reams. Widde<br>Tank ID Number<br>Operating Permit (Y or N)<br>In Use (Y or N) If N, date last used<br>< 1" Product in Tank (Y or N)                                                                                                        | Zip: 5<br>Phone:              | BTud.               | Address: 2                 |                | <u> </u>                       |                   | ~ ~ ~ ~      |
| City: AnKeny, TA<br>Contact Person: J. Reams-Widde<br>Tank ID Number<br>Operating Permit (Y or N)<br>In Use (Y or N) If N, date last used<br>< 1" Product in Tank (Y or N)                                                                                                                                            | Zip: 5<br>Phone:              |                     |                            |                | 4+h 5                          | 4 root            | <u> </u>     |
| Contact Person: J. Reams-Widd<br>Tank ID Number<br>Operating Permit (Y or N)<br>In Use (Y or N) If N, date last used<br>< 1" Product in Tank (Y or N)                                                                                                                                                                 | Phone:                        |                     | City: Lea                  | venwort        |                                | Zip: 👍            | 604          |
| Tank ID Number<br>Operating Permit (Y or N)<br>In Use (Y or N) If N, date last used<br>< 1" Product in Tank (Y or N)                                                                                                                                                                                                  | 001                           |                     | Contact Pers               |                |                                | hone:             |              |
| In Use (Y or N) If N, date last used < 1" Product in Tank (Y or N)                                                                                                                                                                                                                                                    | Y                             | 002                 | 003                        |                |                                |                   |              |
| < 1" Product in Tank (Y or N)                                                                                                                                                                                                                                                                                         |                               | Y                   | Y                          |                | 3                              | RECI              |              |
| • •                                                                                                                                                                                                                                                                                                                   | Y                             | Y                   | Y                          |                |                                |                   | IVED         |
| UST Dimension or Capacity                                                                                                                                                                                                                                                                                             |                               | 5                   | -                          |                |                                |                   |              |
|                                                                                                                                                                                                                                                                                                                       | 20K                           | 12K                 | 8 K                        |                |                                | APR 01            | 2013         |
| Substance Stored                                                                                                                                                                                                                                                                                                      | gas                           | gas                 | diesel                     |                | ENVI                           | BUREAU C          | I            |
| Installation Date                                                                                                                                                                                                                                                                                                     | 2009                          | 2009                | 2009                       |                |                                | NIMENTAL RE       | YF<br>MEDLAR |
| Material of Construction                                                                                                                                                                                                                                                                                              | FRP                           | FRP                 | FRP                        | Double         | Nall                           |                   |              |
| Observation Tubes (Y or N)                                                                                                                                                                                                                                                                                            | Y                             | Y                   | Y                          |                |                                | A NW CO           | rnens        |
| Clearly Identified (Y or N)                                                                                                                                                                                                                                                                                           | Y                             | Y                   | Y                          |                | L basin.                       |                   |              |
| Inventory Control (Y, N, NI)                                                                                                                                                                                                                                                                                          | Y                             | Y                   | Ý                          |                |                                |                   |              |
| Tank Release Detection                                                                                                                                                                                                                                                                                                | ATG-IM                        | ATG-IM              | ATC-IM                     | Veeder-        | Root TLS                       | -350 P            | lus          |
| Component Operational (Y or N)                                                                                                                                                                                                                                                                                        | Y                             | Y                   | Ŷ                          |                |                                |                   |              |
| Piping Type (Cnvt, Safe, Pres)                                                                                                                                                                                                                                                                                        | Pres                          | Pres                | Pres                       |                |                                |                   |              |
| Piping Release Detection                                                                                                                                                                                                                                                                                              | ALM-IM                        |                     | ALM-IM                     |                |                                |                   |              |
| Functional Component (FR, SO, AL)                                                                                                                                                                                                                                                                                     | 50                            | 50                  | 50                         |                |                                |                   |              |
| Corrosion Protection (Y or N)                                                                                                                                                                                                                                                                                         | Y                             | Y                   | Y                          | Fiberal        | ass                            |                   |              |
| Spill Protection (Y or N)                                                                                                                                                                                                                                                                                             | Y                             | Y                   | Y                          | ,              |                                |                   |              |
| Containment Clean (Y or N)                                                                                                                                                                                                                                                                                            | f Y                           | Y                   | no                         |                |                                |                   |              |
| Overfill Protection (Y or N)                                                                                                                                                                                                                                                                                          | Y                             | Y                   | Y                          | Ball FI        | oats                           |                   |              |
| Financial Responsibility (Y or N)                                                                                                                                                                                                                                                                                     | Y                             | Ŷ                   | Y                          | 8-28-          |                                |                   |              |
|                                                                                                                                                                                                                                                                                                                       |                               | Comm                | ents                       |                |                                |                   | 4-11         |
|                                                                                                                                                                                                                                                                                                                       | es                            |                     |                            |                |                                |                   |              |
| Spill containment: Excess                                                                                                                                                                                                                                                                                             | product in                    | 4003 (d             | esel) soi                  | 11 bucket      | Soill                          | buckets           | should       |
| be Kept                                                                                                                                                                                                                                                                                                               | clean 4 dr                    | <u>`</u>            | •                          | •              | ( d                            | e e               |              |
| Pump vaults: Confined ,                                                                                                                                                                                                                                                                                               | dry, no                       | evidence            | e of rele                  | ease(s).       |                                |                   |              |
| ······································                                                                                                                                                                                                                                                                                |                               |                     | rmed.                      |                |                                |                   | ;            |
| Vapor Recovery ports pr                                                                                                                                                                                                                                                                                               | esent adi                     | acent to            | each Fill                  | ting           | 18                             | - <b>6</b>        | <b>_</b>     |
| ATC: T2 Delivery Need                                                                                                                                                                                                                                                                                                 | lect.                         |                     | <b>V</b>                   |                |                                |                   |              |
| <u> </u>                                                                                                                                                                                                                                                                                                              |                               |                     |                            |                | -                              |                   |              |
| Inventory Records: OK                                                                                                                                                                                                                                                                                                 | (Feb 2013                     | 2                   |                            |                |                                |                   |              |
|                                                                                                                                                                                                                                                                                                                       | ( weeks                       | ·J                  |                            |                |                                |                   |              |
|                                                                                                                                                                                                                                                                                                                       |                               |                     |                            |                | •                              |                   |              |
|                                                                                                                                                                                                                                                                                                                       |                               |                     |                            |                |                                |                   |              |
|                                                                                                                                                                                                                                                                                                                       | LLP.                          |                     |                            |                |                                |                   |              |
|                                                                                                                                                                                                                                                                                                                       | 10-012                        | -                   |                            |                |                                |                   | ·            |
| Class A or AB Operator: Not Aver                                                                                                                                                                                                                                                                                      | Certifica                     | te No#:             |                            |                |                                |                   |              |
| Class A or AB Operator: Not Allow<br>Class B Operator:                                                                                                                                                                                                                                                                | Certifica                     | te No#:             |                            |                | Latitude                       | 39.20             | ERA          |
| Class C Operator: 15 total                                                                                                                                                                                                                                                                                            |                               | $\bigcirc$ or N) 2. |                            |                | Longitude                      |                   |              |
| Cinco C Operator. 15 (0)01                                                                                                                                                                                                                                                                                            | Impressed                     |                     | olts ~                     | - Amps         |                                | - 94.90<br>Hours  | 1736         |
|                                                                                                                                                                                                                                                                                                                       | -                             | ·                   |                            |                |                                |                   | 12           |
|                                                                                                                                                                                                                                                                                                                       | to Address Defi               | iciencies           | Yes 🔟                      | No             |                                | ted: $3 \cdot 28$ |              |
| Sign Here Ollich Her                                                                                                                                                                                                                                                                                                  | 1                             |                     |                            | <u> </u>       | · · · · ·                      | 04. ya            | m-           |
| Owner / Operator<br>KDHE * 1000 SW JACKS                                                                                                                                                                                                                                                                              |                               | 110                 |                            |                |                                | nspector          |              |

•

#### Kansas Department of Health and Environment

## 2012 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

# **REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2012.**

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of <u>\$30.00</u> must be submitted to KDHE at the address below with this **Renewal Invoice**.

| Owner ID: 06884<br>CASEY'S RETAIL CO<br>PO BOX 3001, ONE CO<br>ANKENY, IA 50021                                                | Owner<br>MPANY                                                                                                                                          |                                                                                                                                                  | Facility<br>Facility ID: 30435<br>CASEY'S GENERAL STORE - #2826<br>2100 S. 4TH STREET<br>LEAVENWORTH, KS 66048                                                                    |                                                                                                                                                                                                                       |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Tank Number                                                                                                                    | U001                                                                                                                                                    | U002                                                                                                                                             | U003                                                                                                                                                                              |                                                                                                                                                                                                                       |  |  |  |
| Status of Tank                                                                                                                 | In Use                                                                                                                                                  | In Use                                                                                                                                           | In Use                                                                                                                                                                            |                                                                                                                                                                                                                       |  |  |  |
| Exempt?                                                                                                                        | No                                                                                                                                                      | No                                                                                                                                               | No                                                                                                                                                                                |                                                                                                                                                                                                                       |  |  |  |
| Year Installed                                                                                                                 | 2009                                                                                                                                                    | 2009                                                                                                                                             | 2009                                                                                                                                                                              |                                                                                                                                                                                                                       |  |  |  |
| Capacity (Gallons)                                                                                                             | 20,000                                                                                                                                                  | 12,000                                                                                                                                           | 8,000                                                                                                                                                                             |                                                                                                                                                                                                                       |  |  |  |
| Product Stored                                                                                                                 | Gas Unleaded Regular                                                                                                                                    | Gas Unleaded Premium                                                                                                                             | Diesel Clear                                                                                                                                                                      | ······································                                                                                                                                                                                |  |  |  |
| CAS Number                                                                                                                     | 8006-61-9                                                                                                                                               | 8006-61-9                                                                                                                                        | 68476-34-6                                                                                                                                                                        |                                                                                                                                                                                                                       |  |  |  |
| Physical/Health Hazards*                                                                                                       | F,C,A                                                                                                                                                   | F,C,A                                                                                                                                            | F,C,A                                                                                                                                                                             |                                                                                                                                                                                                                       |  |  |  |
| Tank Release Detection                                                                                                         | IMDW, ATG                                                                                                                                               | IMDW, ATG                                                                                                                                        | IMDW, ATG                                                                                                                                                                         |                                                                                                                                                                                                                       |  |  |  |
| Model / Service                                                                                                                | Veeder Root TLS-350                                                                                                                                     | Veeder Root TLS-350                                                                                                                              | Veeder Root TLS-350                                                                                                                                                               |                                                                                                                                                                                                                       |  |  |  |
| Dispenser Type                                                                                                                 | Pressure                                                                                                                                                | Pressure                                                                                                                                         | Pressure                                                                                                                                                                          | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                 |  |  |  |
| Shutoff/Alarm/FR/ALM                                                                                                           | ALM                                                                                                                                                     | ALM                                                                                                                                              | ALM                                                                                                                                                                               |                                                                                                                                                                                                                       |  |  |  |
| Line Release Detection                                                                                                         | IM, ALM                                                                                                                                                 | IM, ALM                                                                                                                                          | IM, ALM                                                                                                                                                                           |                                                                                                                                                                                                                       |  |  |  |
| Model / Service                                                                                                                | Veeder Root TLS-350                                                                                                                                     | Veeder Root TLS-350                                                                                                                              | Veeder Root TLS-350                                                                                                                                                               |                                                                                                                                                                                                                       |  |  |  |
| Financial Responsibility                                                                                                       | SI 08/30/2012                                                                                                                                           | SI 08/30/2012                                                                                                                                    | SI 08/30/2012                                                                                                                                                                     |                                                                                                                                                                                                                       |  |  |  |
| Underground Storage 7<br>* Review what is listed, 1<br>sheets.)<br>If any of the above informat<br>provide a written descripti | USTs removed from<br><b>Cank Permanent Ab</b><br>Fire (F), Chronic (C),<br>ion is not correct, such<br>ion of any needed chan<br>not made, your permit( | n your facility. Che<br>andonment (UST00<br>Acute (A) to describ<br>as the Owner's Mailin<br>ages on this invoice and<br>s) may be delayed. Fail | <b>ack to see if your lice</b><br><b>8) form to KDHE.</b><br>be the tank contents. (<br><b>ag address</b> or any inform<br>d submit it with your pay<br>ure to complete this invo | nsed remover has submitted a<br>This information is found on your MSDS<br>mation related to the storage tanks system,<br>yment. If an incorrect owner mailing address<br>oice and submit it with the appropriate fees |  |  |  |
| Certification of Accu                                                                                                          | <u> </u>                                                                                                                                                |                                                                                                                                                  | BUREAU OF                                                                                                                                                                         |                                                                                                                                                                                                                       |  |  |  |
| Owner Contact Person<br>JILL REAMS-WIDDE                                                                                       | (print name):                                                                                                                                           |                                                                                                                                                  |                                                                                                                                                                                   | Facility Phone:<br>515-965-6238                                                                                                                                                                                       |  |  |  |
| Owner Signature                                                                                                                | Masin f                                                                                                                                                 | $\frac{QUR}{Qell Phone}$                                                                                                                         | Date: /                                                                                                                                                                           |                                                                                                                                                                                                                       |  |  |  |
|                                                                                                                                | nt of Health and I<br>vironmental Rem<br>age Tank Section                                                                                               | Environment <sup>p</sup><br>ediation <sub>P</sub>                                                                                                | rogram to 1-877-221-03                                                                                                                                                            | oncerning the underground storage tank<br>25. http://www.kdheks.gov/tanks/index.html<br>oncerning the Right-to-Know program to<br>of LEPCs at                                                                         |  |  |  |

(785) 296-1688. Listings of LEPCs at http://www.accesskansas.org/kdem/contact\_us/cocoordinator\_lepclistin g.shtml

Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).

1000 SW Jackson, Suite 410

Topeka, KS, 66612-1367

| OWNERSHIP OF TANK (S)LOCATION OF TANK (S)Owner ID: $O6884'$ Facility ID: $30435$ Owner Name:Casey's Careral Store - #2826Address: $POBox 3001$ One Convenience BludAddress: $21005$ . $44^{th}$ StreetCity:Ankew, T.A.Zip: 50021City:LeawenworthContact Person:T.J.    Reams - WidderPhone: 75965-660Contact Person:SameOperating Permit (Y or N)YYImage: Contact Person:SameIn Use (Y or N) If N, date last usedYYImage: Contact Person:SameOperating Permit (Y or N)NNNImage: Contact Person:SameUST Dimension or Capacity $2000$ $2000$ $2000$ Image: Contact Person:SameSubstance StoredUN-RESCUN-PREM. DisciplerImage: Contact Person:SameField Image: Contact Person:UST Dimension or Capacity $2000$ $2000$ Image: Contact Person:SameField Image: Contact Person:Substance StoredUN-RESCUN-PREM. DisciplerImage: Contact Person:SameField Image: Contact Person:Installation Date $2000$ $2000$ Image: Contact Prescut Prescut Person:SameField Image: Contact Person:Observation Tubes (Y or N)YYYContact Person:SameClearly Identified (Y or N)YYYContact Person:SameInventory Control (Y, N, NI)YYYContact Person:SamePriping Release Detection <td< th=""></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Owner Name:Casey's Retail CompanyFacility Name:Casey's Caneral Store - #2826Address:POBox 3001 One Convenience BlydAddress:2100 S. 444 StreetCity:Ankeny TAZip: 56021City:LeavenworthContact Person:J.I. Reams - WidderPhone: 715-745-6400Contact Person:SameOperating Permit (Y or N)YYPhone: 515-765-6400In Use (Y or N) If N, date last usedYYYIn Use (Y or N) If N, date last usedYYYSubstance StoredWul REC UN! PREM DiscipledSameSameVol ConstructionConstructionFRF PF PF PF C (double usell)StoreObservation Tubes (Y or N)YYYSameMaterial of ConstructionFRF PF PF PF PF C (double usell)SameSameObservation Tubes (Y or N)YYYSameInventory Control (Y, N, NI)YYYSameTank Release DetectionIm/Artic Tm/Artic Tm/Artic (Veeder Root TLS-350 u/CSLSomonent operational (Y or N)Piping Release DetectionIm/Altan Tm/Artic MALAPiping PressSpill Protection (Y or N)YYYSomeYYYYSomeSomeOverfill Protection (Y or N)YYYSomeYYYYYSomeOverfill Protection (Y or N)YYYSomeYYYYYSomeSpill Protection (Y or N)Y </td                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Address:POBox 3001 One Convenience BlvdAddress:21005.444 StreetCity:Ankeny TAZip: 50021City:LenvenworthZip: 56048Contact Person:J.I. (Reams - WidderPhone: 915-965-668Contact Person:SamePhone: 515-965-66Tank ID NumberU001U002U003Image: SamePhone: 515-965-66Operating Permit (Y or N)YYYImage: SamePhone: 515-965-66In Use (Y or N) If N, date last usedYYYImage: SameImage: SameYYYImage: SameImage: SameImage: SameSubstance StoredImage: SameImage: SameImage: SameImage: SameSubstance StoredImage: SameImage: SameImage: SameImage: SameMaterial of ConstructionFRPFRPImage: SameImage: SameObservation Tubes (Y or N)YYYImage: SameInventory Control (Y, N, NI)YYYImage: SameTank Release DetectionImage: SameImage: SameImage: SameOpping Type (Cnvt, Safe, Pres)PresPresPresPriping Release DetectionImage: SameSameImage: SameImage: SameImage: SameSameImage: SameOverfill Protection (Y or N)YYYImage: SameSpill Protection (Y or N)YYYImage: SameSpill Protection (Y or N)YYYImage: SameOverfill Prot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| City:Ankeny TAZip: 50021City:LeavenworthZip: 66048Contact Person: J.   Reams - W.der Phone: 715-745-7400Contact Person: SamePhone: 515-745-745Tank ID NumberUO01UO02Uc03Image: SamePhone: 515-745-745Operating Permit (Y or N)YYYImage: SamePhone: 515-745-745In Use (Y or N) If N, date last usedYYYImage: SameImage: Same<1" Product in Tank (Y or N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Contact Person: $\exists i     Reams - Widder Phone: \exists i - 765 - 665Tank ID NumberUO01U202Uco3Operating Permit (Y or N)YYYIn Use (Y or N) If N, date last usedYYYYYNNUST Dimension or Capacity\bigotimes coc\bigotimes coc\bigotimes cocSubstance StoredUNLREG UN-PREM DisseletInstallation Date\bigotimes coc\bigotimes coc\bigotimes cocMaterial of ConstructionFRPFRPFRPObservation Tubes (Y or N)YYYClearly Identified (Y or N)YYYInventory Control (Y, N, NI)YYYPiping Type (Cnvt, Safe, Pres)PresPresPresPiping Release DetectionIm(ALM Tm(ALM Tm(ALMIm(aLM Tm(ALMSpill Protection (Y or N)YYYSpill Prote$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tank ID NumberUOO1UOO2UCO3Operating Permit (Y or N)YYYIn Use (Y or N) If N, date last usedYYY< 1" Product in Tank (Y or N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating Permit (Y or N)YYYIn Use (Y or N) If N, date last usedYYY<1" Product in Tank (Y or N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| In Use (Y or N) If N, date last used<br>$< 1^{\circ}$ Product in Tank (Y or N)<br>UST Dimension or Capacity<br>Substance Stored<br>Installation Date<br>Material of Construction<br>Observation Tubes (Y or N)<br>Clearly Identified (Y or N)<br>Inventory Control (Y, N, NI)<br>Tank Release Detection<br>Component Operational (Y or N)<br>Piping Type (Cnvt, Safe, Pres)<br>Piping Release Detection<br>Free Stress<br>Piping Release Detection<br>Free Stress<br>Piping Release Detection<br>Spill Protection (Y or N)<br>Spill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Substance Stress<br>Free Stress<br>Spill Brotection (Y or N)<br>Overfill Protection (Y or N)<br>Substance Stress<br>Spill Brotection (Y or N)<br>Spill Protection (Y or N)<br>Spill Protection (Y or N)<br>Spill Protection (Y or N)<br>Spill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Substance Stress<br>Substance Stress<br>Spill Brotection (Y or N)<br>Spill Protection (Y or N)<br>Spill Protection (Y or N)<br>Spill Protection (Y or N)<br>Substance Stress<br>Spill Brotection (Y or N)<br>Substance Stress<br>Substance Stre |
| < 1" Product in Tank (Y or N)   N N N   UST Dimension or Capacity DOCC   Substance Stored UNL REG   Installation Date DOG 2009   Material of Construction FRP   FRP FRP   FRP FRP   FRP FRP   FRP FRP   Clearly Identified (Y or N)   Inventory Control (Y, N, NI)   Tank Release Detection   Component Operational (Y or N)   Piping Type (Cnvt, Safe, Pres)   Piping Release Detection   Functional Component (FR, SO, AL)   Corrosion Protection (Y or N)   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y   Y <td< td=""></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UST Dimension or Capacity $\mathfrak{D}$ CCC $\mathfrak{g}$ CCC                                                                                                                                                                                                                            |
| Substance Stored       UNLREG UNLPREM Disciplator         Installation Date       2009         Material of Construction       FRP         Observation Tubes (Y or N)       Y         Clearly Identified (Y or N)       Y         Inventory Control (Y, N, NI)       Y         Tank Release Detection       Im/ATG         Component Operational (Y or N)       Y         Piping Type (Cnvt, Safe, Pres)       Pres         Pres       Pres         Pres       Pres         Piping Release Detection       Im(ALM Tm/ALM         Sol       So         Corrosion Protection (Y or N)       Y         Y       Y         Spill Protection (Y or N)       Y         Y       Y         Overfill Protection (Y or N)       Y         Y       Y         Overfill Protection (Y or N)       Y         Y       Y         Containment Clean (Y or N)       Y         Y       Y         Overfill Protection (Y or N)       Y         Y       Y         Material Components       2-17-10         Spill Cockeet for UCOS; Should be ekept dry       BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Installation Date $2009$ $2009$ Material of Construction $FRP$ $FRP$ $FRP$ Observation Tubes (Y or N)YY $Y$ Clearly Identified (Y or N)YY $Y$ Inventory Control (Y, N, NI)YY $Z$ Tank Release Detection $Im/ATG$ $Tm/ATG$ $Tm/ATG$ Component Operational (Y or N)YYYPiping Type (Cnvt, Safe, Pres)PresPresPresPiping Release Detection $Im/ALM$ $Tm/ALM$ $Im/ALM$ Functional Component (FR, SO, AL)SOSOSOCorrosion Protection (Y or N)YYYYYY $Y$ Overfill Protection (Y or N)YYVYY $Y$ Overfill Protection (Y or N)YYOverfill Protection (Y or N)YYYYYBUREAU OF $Exp(-T-1/O)$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Material of Construction       FRP       FRP       FRP       FRP       Gouble wall)         Observation Tubes (Y or N)       Y       Y       Y       Y       State (-NW, SW)       SE         Clearly Identified (Y or N)       Y       Y       Y       Corne 307 basin       Inventory Control (Y, N, NI)         Tank Release Detection       Im/ATG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Observation Tubes (Y or N)       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clearly Identified (Y or N)       Y       Y       cornersof basin         Inventory Control (Y, N, NI)       Y       Y       Cornersof basin         Tank Release Detection       Im/ATG       Im/ATG       Im/ATG       Im/ATG         Component Operational (Y or N)       Y       Y       Y       Y         Piping Type (Cnvt, Safe, Pres)       Pres       Pres       Pres       Pres         Piping Release Detection       Im/ALM       Im/ALM       Im/ALM       Im/ALM         Functional Component (FR, SO, AL)       SO       SO       SO       Im/ALM       Im/ALM         Corrosion Protection (Y or N)       Y       Y       Y       Y       Im/ALM       Im/ALM         Spill Protection (Y or N)       Y       Y       Y       Y       Im/ALM       Im/ALM       Im/ALM       Im/ALM         Overfill Protection (Y or N)       Y       Y       Y       Y       Im/ALM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Inventory Control (Y, N, NI)<br>Tank Release Detection<br>Component Operational (Y or N)<br>Piping Type (Cnvt, Safe, Pres)<br>Piping Release Detection<br>Functional Component (FR, SO, AL)<br>Corrosion Protection (Y or N)<br>Spill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Containment Clean (Y or N)<br>Comments<br>Comments<br>Comments<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tank Release Detection       Im/ATG Im/ATG Im/ATG (Vecder Root TLS-350 u/CSL         Component Operational (Y or N)       Y       Y         Piping Type (Cnvt, Safe, Pres)       Pres       Pres         Piping Release Detection       Im(ALM Im(ALM Im/ALM)       Im(ALM Im(ALM)         Functional Component (FR, SO, AL)       SO       SO       SO         Corrosion Protection (Y or N)       Y       Y       Y       Imedation (FR, FR)         Spill Protection (Y or N)       Y       Y       Y       Y       Imedation (FR, FR)         Overfill Protection (Y or N)       Y       Y       Y       Y       Imedation (FR, FR)         Overfill Protection (Y or N)       Y       Y       Y       Y       Y       Imedation (FR)         Overfill Protection (Y or N)       Y       Y       Y       Y       Y       Y         Comments       Y       Y       Y       Y       Y       Y       Y       Y         Guid in spill buckeet for UDOS; shauld be kept dry       BUREAU OF       BUREAU OF       BUREAU OF       BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Component Operational (Y or N)       Y       Y       Y         Piping Type (Cnvt, Safe, Pres)       Pres       Pres       Pres         Piping Release Detection       Im(ALM Tm(ALM Im/ALM       Im(ALM Im/ALM         Functional Component (FR, SO, AL)       SO       SO       SO         Corrosion Protection (Y or N)       Y       Y       Y       Im(ALM Im/ALM         Spill Protection (Y or N)       Y       Y       Y       Image: So         Containment Clean (Y or N)       Y       Y       Y       Image: So         Overfill Protection (Y or N)       Y       Y       N       Image: So         Comments       Y       Y       Y       Image: So       Image: So         Comments       Y       Y       Y       Image: So       Image: So         BUREAU OF       BUREAU OF       Image: So       Image: So       Image: So                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Piping Type (Cnvt, Safe, Pres)       Pres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Piping Release Detection<br>Functional Component (FR, SO, AL)<br>Corrosion Protection (Y or N)<br>Spill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Comments<br>Comments<br>Comments<br>Comments<br>Comments<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Functional Component (FR, SO, AL)<br>Corrosion Protection (Y or N)<br>Spill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>Overfill Protection (Y or N)<br>And And And And And And And And And And                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Corrosion Protection (Y or N)<br>Spill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>VYYN<br>Overfill Protection (Y or N)<br>Comments<br>Comments<br>Comments<br>Comments<br>Comments<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Spill Protection (Y or N)<br>Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>VYVV<br>VYVV<br>Comments<br>Comments<br>Comments<br>2-17-10<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Containment Clean (Y or N)<br>Overfill Protection (Y or N)<br>Comments<br>Comments<br>Comments<br>P-17-10<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Overfill Protection (Y or N)<br>Y Y Y (bell flort values present<br>Comments<br>Locket for UCO3; should be kept dry<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Comments 2-17-10<br>Aluid in spill bucket for UCO3; should be kept dry<br>BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| fluid in spill bucket for UCO3; should be kept dry BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BUREAU OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| pump sumps contained; PLLD present ENVIRONMENTAL REMEDIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| NOV 0 9 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| dispensersumps contained; dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RECEIVED RECEIVED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| permit displayed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Passing 0.2 gal lar tank leak check tests day of inspection; passing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 0.2 mail hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Latitude 39,29580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Lande 59(2-15)5<br>Longitude -94.90952                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Impressed Current Volte Amps Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Impressed Current Volts Amps Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Required to Address Deficiencies Yes X No Date Inspected:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sign Here Required to Address Deficiencies Yes X No Date Inspected: 104/11 *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sign Here<br>Owner / Operator<br>Sign Here<br>Owner / Operator<br>Sign Here<br>Owner / Operator<br>Sign Here<br>Sign Here<br>Owner / Operator<br>Sign Here<br>Sign Here<br>Si                          |
| Sign Here                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Buseau of Environmental Remodiation Curitis State Office Building 1099.S.W.Jackson St., Suite 410 Topeka, KS 65612-1367

Robert Moser, MD, Secretary Division of Environment

KDHE District NE Owner ID 06884 CASEY'S RETAIL COMPANY PO BOX 3001, ONE CONVENIENCE BLVD ANKENY, IA 50021

Department of Health & Environment July 12, 2011

> Re: Facility ID 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE will not issue your 2011/2012 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. Either these USTs have fallen out of compliance since your 2010/2011 permits printed, or you have not received your 2010/2011 permits. KDHE will not issue new permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

KDHE has not received satisfactory inventory control records for one month and/or satisfactory inventory control annual summary sheets covering an eight out of a 12 month period with the last two months being consecutive for tank number(s): 001, 002, 003.

If you plan on operating your USTs, you are required to bring your tanks into compliance with the UST regulations to receive your 2011/2012 permits. If you have any questions concerning this letter or if you would like to discuss your options in bringing your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Marcus Meerian Environmental Scientist IV Storage Tank Section Phone: 785,296,1618 Fax: 785, 196,6180 Toroy, John Jackson, 196, 199

Sam Brownback, Governor



## Kansas Department of Health and Environment 2011 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

# **REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2011.**

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of <u>\$30.00</u> must be submitted to KDHE at the address below with this **Renewal Invoice**.

| Owner ID: 06884<br>CASEY'S RETAIL COMPANY<br>PO BOX 3001, ONE CONVENIENCE BLVD<br>ANKENY, IA 50021Facility ID: 30435<br>CASEY'S GENERAL STORE - #2826<br>2100 S. 4TH STREET<br>LEAVENWORTH, KS 66048Tank NumberU001U002U003Status of TankIn UseIn UseIn UseInExempt?NoNoNoInYear Installed200920092009InCapacity (Gallons)20,00012,0008,000INProduct StoredGas Unleaded Regular<br>8006-61-968476-34-6MAR 3. 2011CAS Number8006-61-98006-61-968476-34-6MAR 3. 2011Physical/Health Hazards*F,C,AF,C,AF,C,AINDW, ATGTank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGURCOTHER NERDENTIAL REMEDIATIONDispenser TypePressurePressurePressureINVIRONMENTAL REMEDIATIONShutoff/Alarm/FR/ALMALMALMALMIMLine Release DetectionIM, ALMIM, ALMIM, ALMIM, ALMLine Release DetectionIM, ALMIM, ALMIM, ALMIM, ALMLine Release DetectionIM, ALMALMALMIMLine Release DetectionIM, ALMIM, ALMIM, ALMIMLine Release DetectionIM, ALMIM, ALMIM, ALMIMLine Release DetectionIM, ALMIM, ALMIM, ALMIMLine Release DetectionIM, ALMIM, ALMIMIMModel / ServiceVeeder Root PLLD |                                                                              | Owner                                      |                                                  | Facility                                            |                     |                        |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------|-----------------------------------------------------|---------------------|------------------------|--|--|--|
| Status of TankIn UseIn UseIn UseExempt?NoNoNoNoYear Installed200920092009Capacity (Gallons)20,00012,0008,000Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6Physical/Health Hazards*F,C,AF,C,AF,C,ATank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGModel / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350Dispenser TypePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMLine Release DetectionIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDIn Release DetectionIM, ALMIM, ALMIn Release DetectionIM, ALMIM, ALMIn Dispenser TypePressurePressureShutoff/Alarm/FR/ALMStort PLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilitySt 08/30/2009St 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.           | CASEY'S RETAIL COMPANY<br>PO BOX 3001, ONE CONVENIENCE BLVD                  |                                            |                                                  | CASEY'S GENERAL STORE - #2826<br>2100 S. 4TH STREET |                     |                        |  |  |  |
| Exempt?NoNoNoYear Installed200920092009Capacity (Gallons)20,00012,0008,000Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6M/AR 3 A 2011Physical/Health Hazards*F,C,AF,C,AF,C,A9000000000000000000000000000000000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tank Number                                                                  | U001                                       | U002                                             | U003                                                |                     |                        |  |  |  |
| Year Installed2009200920092009Capacity (Gallons)20,00012,0008,000RMACTEL VIEWProduct StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6MAR 3 2011Physical/Health Hazards*F,C,AF,C,AF,C,ATank Release DetectionIMDW, ATGIMDW, ATG1000000000000000000000000000000000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Status of Tank                                                               | In Use                                     | In Use                                           | In Use                                              |                     |                        |  |  |  |
| Capacity (Gallons)20,00012,0008,000NULL VIELProduct StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6MAR 3 2 2011Physical/Health Hazards*F,C,AF,C,AF,C,ATank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGModel / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350Dispenser TypePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMLine Release DetectionIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDInnacial ResponsibilitySI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                  | Exempt?                                                                      | No                                         | No                                               | No                                                  |                     |                        |  |  |  |
| Originally (clarions)20,00012,00012,0000,000Product StoredGas Unleaded RegularGas Unleaded PremiumDiesel ClearCAS Number8006-61-98006-61-968476-34-6MAR 3.1Physical/Health Hazards*F,C,AF,C,AF,C,ATank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGModel / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350Dispenser TypePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMLine Release DetectionIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilitySI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                      | Year Installed                                                               | 2009                                       | 2009                                             | 2009                                                |                     | 2 04000                |  |  |  |
| CAS Number8006-61-98006-61-968476-34-6MAR 3 Å2011Physical/Health Hazards*F,C,AF,C,AF,C,AIMDW, ATGIMDW, ATGBUREA J OFTank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGBUREA J OFModel / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350BUREA J OFDispenser TypePressurePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMIM, ALMIM, ALMLine Release DetectionIM, ALMIM, ALMIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilityS1 08/30/2009S1 08/30/2009S1 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                               | Capacity (Gallons)                                                           | 20,000                                     | 12,000                                           | 8,000                                               | ICHI MUM            | V HEAD                 |  |  |  |
| Physical/Health Hazards*F,C,AF,C,AF,C,AF,C,ATank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGSUREA J OFModel / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350Weeder Root TLS-350Dispenser TypePressurePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMALMLine Release DetectionIM, ALMIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilityS1 08/30/2009SI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                | Product Stored                                                               | Gas Unleaded Regular                       | Gas Unleaded Premium                             | Diesel Clear                                        | · · · · · ·         |                        |  |  |  |
| Physical/Health Hazards*F,C,AF,C,AF,C,AF,C,ATank Release DetectionIMDW, ATGIMDW, ATGIMDW, ATGBUREA J OFModel / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350Weeder Root TLS-350Dispenser TypePressurePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMALMLine Release DetectionIM, ALMIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilitySI 08/30/2009SI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                | CAS Number                                                                   | 8006-61-9                                  | 8006-61-9                                        | 68476-34-6                                          | MAR 31              | 2011                   |  |  |  |
| Model / ServiceVeeder Root TLS-350Veeder Root TLS-350Veeder Root TLS-350Dispenser TypePressurePressurePressureShutoff/Alarm/FR/ALMALMALMALMLine Release DetectionIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilitySI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Physical/Health Hazards*                                                     | F,C,A                                      | F,C,A                                            | F,C,A                                               |                     |                        |  |  |  |
| Model / Service       Veeder Root TLS-350       Veeder Root TLS-350       Veeder Root TLS-350         Dispenser Type       Pressure       Pressure       Pressure         Shutoff/Alarm/FR/ALM       ALM       ALM       ALM         Line Release Detection       IM, ALM       IM, ALM       IM, ALM         Model / Service       Veeder Root PLLD       Veeder Root PLLD       Veeder Root PLLD         Financial Responsibility       S1 08/30/2009       SI 08/30/2009       SI 08/30/2009         (1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.       (2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                          | Tank Release Detection                                                       | IMDW, ATG                                  | IMDW, ATG                                        | IMDW, ATG                                           | BUREA               | JOF                    |  |  |  |
| Shutoff/Alarm/FR/ALMALMALMALMALMLine Release DetectionIM, ALMIM, ALMIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilityS1 08/30/2009SI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Model / Service                                                              | Veeder Root TLS-350                        | Veeder Root TLS-350                              | Veeder Root TLS-350                                 | CON A TREAMANNA INT | REALITY OF THE ARCHING |  |  |  |
| Line Release DetectionIM, ALMIM, ALMIM, ALMModel / ServiceVeeder Root PLLDVeeder Root PLLDVeeder Root PLLDFinancial ResponsibilitySI 08/30/2009SI 08/30/2009SI 08/30/2009(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Dispenser Type                                                               | Pressure                                   | Pressure                                         | Pressure                                            |                     |                        |  |  |  |
| Model / Service       Veeder Root PLLD       Veeder Root PLLD       Veeder Root PLLD         Financial Responsibility       SI 08/30/2009       SI 08/30/2009       SI 08/30/2009         (1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.       (2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Shutoff/Alarm/FR/ALM                                                         | ALM                                        | ALM                                              | ALM                                                 |                     |                        |  |  |  |
| Financial Responsibility       SI 08/30/2009       SI 08/30/2009       SI 08/30/2009         (1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.       (2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Line Release Detection                                                       | IM, ALM                                    | IM, ALM                                          | IM, ALM                                             |                     |                        |  |  |  |
| <ol> <li>Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.</li> <li>Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Model / Service                                                              | Veeder Root PLLD                           | Veeder Root PLLD                                 | Veeder Root PLLD                                    |                     |                        |  |  |  |
| (2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Financial Responsibility                                                     | SI 08/30/2009                              | SI 08/30/2009                                    | SI 08/30/2009                                       |                     |                        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul><li>(2) Assume storage of liq</li><li>(3) Please cross out any</li></ul> | uid substances is 365<br>USTs removed from | 5 days at the listed fac<br>n your facility. Che | cility unless otherwise<br>ck to see if your lice   | indicated.          | ubmitted a             |  |  |  |
| Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.<br>* Review what is listed Fire (F) Chronic (C) Acute (A) to describe the tank contents. (This information is found on your A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ÷ ÷                                                                          |                                            | •                                                |                                                     |                     |                        |  |  |  |

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, **provide a written description of any needed changes on this invoice** and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. Failure to complete this invoice and submit it with the appropriate fees prior to April 30, 2011 will prevent you from obtaining the required Permits before July 31, 2011.

| Certification of Accuracy         |             |                 |  |  |  |
|-----------------------------------|-------------|-----------------|--|--|--|
| Owner Contact Person (print name) | :           | Facility Phone: |  |  |  |
| JILL REAMS-WIDDER                 |             | 515-965-6238    |  |  |  |
| Owner Signature:                  |             | Date:           |  |  |  |
| 24-Hour Contact Name:             | Cell Phone: | 24-Hour Phone:  |  |  |  |
| JILL-REAMS-WIDDER                 |             | 515-965-6238    |  |  |  |

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at http://www.accesskansas.org/kdem/contact\_us/cocoordinator\_lepclistin g.shtml

Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).



Mark Parkinson, Governor Roderick L. Bremby, Secretary

www.kdheks.gov

DEPARTMENT OF HEALTH AND ENVIRONMENT

Division of Environment

August 3, 2010

KDHE District NE Owner ID: 06884 CASEY'S RETAIL COMPANY PO BOX 3001, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility ID 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE **has not issued** your 2010/2011 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

**KDHE** has not received satisfactory inventory control records for one month and/or satisfactory inventory control annual summary sheets covering an eight out of a 12 month period with the last two months being consecutive for tank number(s): 001, 002, 003.

KDHE has not received the required Annual Summary Sheets or satisfactory monthly monitoring reports for release detection covering an eight out of a 12 month period with the last two months being consecutive for tank number(s): 001, 002, 003. Current tank/line Monthly Monitoring release detection methods used: Interstitial Monitor Double Wall Tank, Automatic Tank Gauge.

If you plan on operating your USTs, you are required to bring your tanks into compliance with the UST regulations to receive your 2010/2011 permits. If you have any questions concerning this letter or if you would like to discuss your options in bringing your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

Sincerely,

Michael J. Pome

Michael L. Pomes, L.G. Professional Geologist

DIVISION OF ENVIRONMENT Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE 410, TOPEKA,KS 66612-1367 Voice 785-296-8061 Fax:785-296-6190 http://www.kdheks.gov/tanks/ Printed on Recycled Paper

#### Kansas Department of Health and Environment

## 2010 UST Annual Registration Renewal Invoice and Emergency Planning and Community Right To Know Act Special UST Tier II Form.

# REVIEW THIS FORM, COMPLETE THE SIGNATURE BLOCK, AND RETURN THIS FORM WITH YOUR PAYMENT BEFORE APRIL 30, 2010.

Kansas Department of Health and Environment (KDHE) records indicate that you have 3 active tank (s) registered at the Facility listed below. A total of **§30.00** must be submitted to KDHE at the address below with this **Renewal Invoice**.

|                                                                                                    | Owner                |                      | Facility                                                                                           |  |  |  |  |
|----------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------------------------------------------------------------------------------------|--|--|--|--|
| Owner ID: 06884<br>CASEY'S RETAIL COMPANY<br>PO BOX 3001, ONE CONVENIENCE BLVD<br>ANKENY, IA 50021 |                      |                      | Facility ID: 30435<br>CASEY'S GENERAL STORE - #2826<br>2100 S. 4TH STREET<br>LEAVENWORTH, KS 66048 |  |  |  |  |
| Tank Number                                                                                        | U001                 | U002                 | U003                                                                                               |  |  |  |  |
| Status of Tank                                                                                     | In Use               | In Use               | In Use                                                                                             |  |  |  |  |
| Exempt?                                                                                            | No                   | No                   | No                                                                                                 |  |  |  |  |
| Year Installed                                                                                     | 2009                 | 2009                 | 2009                                                                                               |  |  |  |  |
| Capacity (Gallons)                                                                                 | 20,000               | 12,000               | 8,000                                                                                              |  |  |  |  |
| Product Stored                                                                                     | Gas Unleaded Regular | Gas Unleaded Premium | Diesel Clear                                                                                       |  |  |  |  |
| CAS Number                                                                                         | 8006-61-9            | 8006-61-9            | 68476-34-6                                                                                         |  |  |  |  |
| Physical/Health Hazards*                                                                           | F,C,A                | F,C,A                | F,C,A                                                                                              |  |  |  |  |
| Tank Release Detection                                                                             | IMDW, ATG            | IMDW, ATG            | IMDW, ATG                                                                                          |  |  |  |  |
| Model / Service                                                                                    | Veeder Root TLS-350  | Veeder Root TLS-350  | Veeder Root TLS-350                                                                                |  |  |  |  |
| Dispenser Type                                                                                     | Pressure             | Pressure             | Pressure                                                                                           |  |  |  |  |
| Shutoff/Alarm/FR/ALM                                                                               | ALM                  | ALM                  | ALM                                                                                                |  |  |  |  |
| Line Release Detection                                                                             | IM, ALM              | IM, ALM              | IM, ALM                                                                                            |  |  |  |  |
| Model / Service                                                                                    | Veeder Root PLLD     | Veeder Root PLLD     | Veeder Root PLLD                                                                                   |  |  |  |  |
| Financial Responsibility                                                                           | SI 08/30/2009        | SI 08/30/2009        | SI 08/30/2009                                                                                      |  |  |  |  |

(1) Average Daily Amount assumed to be 1/2 of the Total Capacity unless otherwise stated.

(2) Assume storage of liquid substances is 365 days at the listed facility unless otherwise indicated.

# (3) Please cross out any USTs removed from your facility. Check to see if your licensed remover has submitted a Underground Storage Tank Permanent Abandonment (UST008) form to KDHE.

\* Review what is listed, Fire (F), Chronic (C), Acute (A) to describe the tank contents. (This information is found on your MSDS sheets.)

If any of the above information is not correct, *such as the Owner's Mailing address* or any information related to the storage tanks system, **provide a written description of any needed changes on this invoice** and submit it with your payment. If an incorrect owner mailing address is listed and corrections are not made, your permit(s) may be delayed. Failure to complete this invoice and submit it with the appropriate fees prior to April 30, 2010 will prevent you from obtaining the required Permits before July 31, 2010.

# Certification of Accuracy Owner Contact Person (print name): RECEIVED Facility Phone: JILL REAMS-WIDDER APR 1 5 2010 Date: Owner Signature: BUREAU OF Date: 7/10 24-Hour Contact Name: Cell PleaverNONMENTAL REMEDIATION 24-Hour/Phone: JILL(REAMS-WIDDER 515-965-6238

Submit to:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS, 66612-1367 Please direct questions concerning the underground storage tank program to 1-877-221-0325. http://www.kdheks.gov/tanks/index.html

Please direct questions concerning the Right-to-Know program to (785) 296-1688. Listings of LEPCs at http://www.accesskansas.org/kdem/contact\_us/cocoordinator\_lepclistin g.shtml

15881-

Please retain a copy of this invoice for your records. Send a copy to your Local Emergency Planning Committee(s).



Mark Parkinson, Governor Roderick L. Bremby, Secretary

www.kdheks.gov

DEPARTMENT OF HEALTH AND ENVIRONMENT

Division of Environment

June 29, 2010

KDHE District NE Owner ID 06884 CASEY'S RETAIL COMPANY PO BOX 3001, ONE CONVENIENCE BLVD ANKENY, IA 50021

Re: Facility ID 30435 CASEY'S GENERAL STORE - #2826 2100 S. 4TH STREET LEAVENWORTH, KS 66048

TANKS: 001,002,003

Attention Underground Storage Tank Owner:

The purpose of this letter is to inform you that KDHE will not issue your 2010/2011 UST Operating Permits for the underground storage tanks (USTs) at the facility referenced above. Either these USTs have fallen out of compliance since your 2009/2010 permits printed, or you have not received your 2009/2010 permits. KDHE will not issue new permits until these USTs are brought back into compliance.

Not having UST Operating Permits places you in violation of K.S.A. 65-34,109 (b) (6) and the federal Energy Policy Act of 2005. If you are found to be operating these USTs during an inspection, KDHE will provide notice to the company that delivers regulated substances to your facility that such deliveries should cease until KDHE issues permits for your facility.

Below you will find listed the reasons why KDHE has determined that your USTs are out of compliance. You may contact KDHE if you have information that corrects KDHE's determination so your permits can be issued.

The tanks are out of compliance for the following reason(s):

KDHE has not received satisfactory inventory control records for one month and/or satisfactory inventory control annual summary sheets covering an eight out of a 12 month period with the last two months being consecutive for tank number(s): 001, 002, 003.

KDHE has not received the required Annual Summary Sheets or satisfactory monthly monitoring reports for release detection covering an eight out of a 12 month period with the last two months being consecutive for tank number(s): 001, 002, 003. Current tank/line Monthly Monitoring release detection methods used: Interstitial Monitor Double Wall Tank, Automatic Tank Gauge.

Jun 29, 2010 Page 2

If you plan on operating your USTs, you are required to bring your tanks into compliance with the UST regulations to receive your 2010/2011 permits. If you have any questions concerning this letter or if you would like to discuss your options in bringing your USTs into compliance, please feel free to contact the UST Program staff at 785-296-8061 or toll free at 1-877-221-0325.

1.

Sincerely,

Michael J. Pomes Michael L. Pomes, L.G.

Professional Geologist

06884-30435



Mark Parkinson, Governor Roderick L. Bremby, Secretary

www.kdheks.gov

July 14, 2009

Ms. Jill Reams-Widder Casey's General Stores Inc. One Convenience Blvd. Ankeny, IA 50021

10

# Re: UST Temporary Operating Permit for Casey's General Store #2826, 2100 South 4<sup>th</sup> Street, Leavenworth, KS 66048 (Fac. ID 30435).

Dear Ms. Reams-Widder:

The Kansas Department of Health and Environment has issued a Temporary Operating Permit on Tanks U001, U002, U003 for the facility referenced above. This Temporary Operating Permit is valid between July 13, 2009, and November 13, 2009, and is included with this letter.

KDHE will extend the UST Temporary Permit for your facility after the following conditions are met:

 KDHE receives inventory control records for August or September 2009.
 The Automatic Tank Gauge with Line Monitors 90-Day Summary Sheet is due to KDHE by November 13, 2009.

Be sure to keep accurate inventory control records for your UST system.

If you have any questions or if I can be of assistance, please contact me at the number below. Thank you for your consideration.

Sincerely, A Meerian

Marcus A. Meerian Environmental Scientist KDHE-BER-Storage Tanks

MAM: AMH

Cc: Tom Winn, KDHE-NEDO; File Encl: UST Temporary Operating Permit, 90-Day Automatic Tank Gauge with Line Monitors Summary Sheet.

> Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367

Voice: 785-296-6372 Fax: 785-296-6190 email: mmeerian@kdheks.gov

http://www.kdheks.gov/tanks/index.html

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10

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

# UST TEMPORARY PERMIT VALID THROUGH November 13, 2009

THIS PERMIT SATISFIES KDHE PERMIT REQUIREMENTS FOR UNDERGROUND TANKS AT THIS FACILITY

KDHE Tank ID no. 06884-30435 Tank U001, U002, U003

July 13, 2009

Casey's General Store #2826 2100 South 4<sup>th</sup> Street Leavenworth, KS 66048

Michael I. Pomes

Michael L. Pomes Professional Geologist BER-Storage Tanks

# (POST THIS PERMIT IN A VISIBLE LOCATION)

THIS PERMIT WILL ALLOW THE OPERATION OF UNDERGROUND STORAGE TANKS AT THIS FACILITY UNTIL November 13, 2009.

This UST Temporary Permit will be completed after:

1. KDHE receives inventory control records for August or September 2009.

2. The Automatic Tank Gauge with Line Monitors 90-Day Summary Sheet is due to KDHE by November 13, 2009.

| 07/02 UST007                                                                                                                                                                             |                                                                                                                            |                                                            | KDHE Reference No.: Ov          | wner ID: <u>06884</u> F                                       | acility ID: 30434     | ラ |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------|---------------------------------------------------------------|-----------------------|---|--|--|--|--|
| KANSAS REGISTRATION NOTIFICATION FOR UNDERGROUND STORAGE TANKS                                                                                                                           |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
|                                                                                                                                                                                          | ansas Department of Health and Environment<br>areau of Environmental Remediation State of Kansas - Division of Environment |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| Storage 1                                                                                                                                                                                | Tank Section                                                                                                               |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| 1000 SW                                                                                                                                                                                  | Jackson, Suite 410 Phone: 785-296-8061 Date: 7-13-09                                                                       |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| •                                                                                                                                                                                        | Please Print Clearly or Type By: Mancus A. Meercan                                                                         |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| I. Facility Informatio<br>A. Facility Na                                                                                                                                                 | n<br>ime: <u>CASEY'S Gi</u>                                                                                                | ENERAL STORE                                               | # 2826                          |                                                               |                       |   |  |  |  |  |
| B. Facility Address: ZIOD S. 4 <sup>55</sup> ST. LEAVENWORTH, KS 66048 (EAVENWORTH<br>(street) (city) (state) (zip) (county)                                                             |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| C. Control D                                                                                                                                                                             | (str                                                                                                                       | reet)                                                      | (cily) (stat                    | e) (zip)                                                      | (county)              |   |  |  |  |  |
|                                                                                                                                                                                          | erson: <u>JILL REAM</u>                                                                                                    |                                                            |                                 |                                                               | <b>A</b>              |   |  |  |  |  |
|                                                                                                                                                                                          | on (to 4 quarters): <u>NE</u>                                                                                              | CORNER OF JW 61750                                         | cuon <u> </u>                   | p <u>7</u> Range <u>2 2 -                                </u> | _E/ VV (circle one)   |   |  |  |  |  |
| II. Tank Owner Infor<br>A. Owner Na                                                                                                                                                      | mation<br>me: <u>CASEY'S</u>                                                                                               | GENERAL ST                                                 | DRES INC.                       |                                                               |                       |   |  |  |  |  |
| B. Owner Ad                                                                                                                                                                              | dress: ONE CONI                                                                                                            | ENIENCE BLUD                                               | ANKENY                          | IA                                                            | <u>50021</u><br>(zlp) |   |  |  |  |  |
|                                                                                                                                                                                          |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| C. Contact Person: <u>JILL REAMS-WIDDER</u> Phone: ( <u>5/5)</u> 965 - 6238                                                                                                              |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| D. Owner Type: State/Local Government: Federal Private Retail                                                                                                                            |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| E. Number of tanks at this location: <u></u> aboveground tanks (ASTs) <u></u> underground tanks (USTs)<br>III. Tank Information Please enter manufacturer and model # where appropriate. |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| Tank Status:                                                                                                                                                                             | Tank # U_01     Tank # U_02     Tank # U_03     Tank # U_                                                                  |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| Currently in use,                                                                                                                                                                        |                                                                                                                            |                                                            |                                 |                                                               |                       |   |  |  |  |  |
| Temporarily out, or                                                                                                                                                                      | In use<br>Temp Out                                                                                                         | In use<br>Temp Out                                         | In use                          | In use<br>Temp Out                                            | In use<br>Temp Out    |   |  |  |  |  |
| Permanently out                                                                                                                                                                          | Perm Out                                                                                                                   | Perm Out                                                   | Perm Out                        | Perm Out                                                      | Perm Out              |   |  |  |  |  |
| Install date or age-yrs                                                                                                                                                                  | 12-23-2008                                                                                                                 | 12-23-2008                                                 | 12-23-2008                      |                                                               |                       |   |  |  |  |  |
| Date of first use:                                                                                                                                                                       | 6-18-20080                                                                                                                 | 6-18-20089                                                 | 6-18-200,89                     |                                                               |                       |   |  |  |  |  |
| Tank capacity (gals)                                                                                                                                                                     | 20,000                                                                                                                     | 12,000                                                     | TANKS Z F 3<br>SPLIT COMPART    | AREA<br>MENT TANK                                             |                       |   |  |  |  |  |
| Tank dimensions                                                                                                                                                                          | 10' × 37'                                                                                                                  | 12,000 8,000 SPLIT COMPART MENT TAN<br>10' × 24' 10' × 14' |                                 |                                                               |                       |   |  |  |  |  |
| Product stored*                                                                                                                                                                          | UNL, GAS                                                                                                                   | AS PREM. UNL. GAS ON-ROAD DIESEL                           |                                 |                                                               |                       |   |  |  |  |  |
| Single wall tank<br>Double wall tank                                                                                                                                                     | DWT                                                                                                                        | DWT DWT                                                    |                                 |                                                               |                       |   |  |  |  |  |
| Tank Construction:<br>SUP3, FBR, ACT, elc.                                                                                                                                               | CONTAINMENT<br>SOLUTIONS<br>FBR                                                                                            | CONTAINMENT<br>SOLUTIONS<br>FBR                            | CONTAINMENT<br>SOLDTIONS<br>FBR |                                                               |                       |   |  |  |  |  |
| *If product stored is h<br>IV. Product Piping I                                                                                                                                          |                                                                                                                            | please give CERCLA                                         | Name or CAS #:                  |                                                               |                       |   |  |  |  |  |
| Line construction:                                                                                                                                                                       | APT-FLEX                                                                                                                   | APT-FLEX                                                   | APT-FLEX                        |                                                               | 97 107 87 A & L (A)   |   |  |  |  |  |

| Line construction:<br>Steel, FRP, Flexible,<br>Copper, Non-metal | APT-FLEX | APT-FLEX | APT-FLEX | NIMUALOP<br>10770.17000000200 |
|------------------------------------------------------------------|----------|----------|----------|-------------------------------|
| Single wall piping<br>Double wall piping                         | DW       | DW       | DW       |                               |

V.

Financial Responsibility Method: (40CFR part 280 Subpart H and part 281) Must Provide Certificate of 3<sup>rd</sup> Party Liability Insurance to KDHE showing number of tanks covered and expiration date, or proof of alternate approved method. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this

and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I have financial responsibility as specified in accordance with 40 CFR 280, Subpart I. 7//309 Date

Name and official Hile of owner or owner's representative Signature

11

| Kansas                                        |                |              |                     | _         | ion Pag              | <u>e 2 - Co</u>                                        | ce No.: Owne<br>mplianc        | <u>e Inf</u>               | orma                       | tion                    | ·        | -,             |
|-----------------------------------------------|----------------|--------------|---------------------|-----------|----------------------|--------------------------------------------------------|--------------------------------|----------------------------|----------------------------|-------------------------|----------|----------------|
| Tank UL no. or ASTM no.:                      |                |              |                     |           | 0181                 |                                                        |                                | 4)                         |                            |                         | 5)       |                |
| KDHE Tank #:                                  |                |              |                     |           |                      |                                                        | 03                             |                            |                            |                         | U00      | ·····          |
| Pleas                                         | se ma          | ark an       | "X" i               | n the bo  |                      |                                                        | ach applie                     | cable                      | item.                      |                         |          |                |
| KDHE Tank/Line #                              |                | 02           |                     |           | KDHE                 | E Tank/Lin                                             | ne #                           |                            | 01                         | OZ                      | 03       |                |
| Standby Tank (yes/no)                         |                | NO           |                     |           | Corro                | sion Prot                                              | ection Tan                     | nks                        | Tes                        | t date                  | : N/     | 4              |
| Tank Release Detection                        |                | Test d       | ate: 6              | -8-09     | Sacrif               | icial Anod                                             | e Cathod. F                    | Prot.                      |                            |                         |          |                |
| Manual Tank Gauging                           |                |              |                     |           | Impre                | ss. Curren                                             | nt Cathod. F                   | Prot.                      |                            | $\sim$                  |          |                |
| Tightness Testing                             | X              | ×            | X                   |           | Fiberç               | glass                                                  |                                |                            | X                          | <u>k</u>                | $(\chi)$ |                |
| Automatic Tank Gauging                        | $\odot$        | $\bigotimes$ | $\odot$             |           | -Spel                | Clad with                                              | Fiberglass                     |                            |                            |                         |          |                |
| Vapor Monitoring                              |                |              | 10                  | $n 3^{2}$ |                      | or Lining                                              |                                |                            |                            |                         |          |                |
| Groundwater Monitoring                        | -              |              | VN                  |           | Interio              | or Lining Ir                                           | stallation /                   | Inspec                     | tion D                     | ate:                    | 1_1      |                |
| Interstitial Monitor DW Tank                  | R              | $\Theta$     | $\otimes$           |           | Line                 | Construct                                              | tion                           |                            |                            | 11 F                    | ťΜ       |                |
| Statistical Inventory Recon.                  |                |              |                     |           | Сорр                 | er                                                     |                                |                            | V                          | <i>v v</i>              |          |                |
| Other:                                        |                |              |                     |           | Steel                |                                                        |                                |                            |                            | )~                      | 13       | 109            |
| Dispenser Type                                |                |              |                     |           | Fiber                | glass                                                  |                                |                            |                            |                         |          |                |
| Safe Suction                                  |                |              |                     |           | Doub                 | le Wall                                                |                                |                            | $\oslash$                  | X                       | R        |                |
| Conventional Suction                          | _              |              |                     |           | Flexible Nonmetallic |                                                        |                                | K                          | $(\mathbf{x})$             | PZ                      |          |                |
| Pressure                                      | (x)            | (X)          | R                   |           | Other:               |                                                        |                                |                            |                            |                         |          |                |
| Product Line Release Detect                   | ion            | Test d       | ate: 6              | -8-09     | 7 Corro              | sion Prot                                              | tection Lin                    | es                         | Tes                        | t date                  | : N/     | A              |
| Vapor Monitoring                              |                |              |                     |           | Sacrit               | ficial Anod                                            | e Cathod. I                    | Prot                       |                            |                         |          |                |
| Tightness Testing                             |                |              |                     |           | Impre                | ss. Currer                                             | nt Cathod. F                   | Prot.                      |                            |                         |          |                |
| Interstitial Monitoring                       |                |              |                     |           | Fiber                | glass                                                  |                                |                            |                            |                         |          |                |
| Statistical Inventory Recon.                  |                |              |                     |           | Doub                 | le Wall                                                |                                |                            | X                          | K                       | 1×       |                |
| Automatic Line Monitor                        | X              | R            | $\left( \right)$    |           | Flexit               | ole Nonme                                              | tallic                         |                            | 12                         |                         | R        | 5              |
| Other:                                        |                |              | PII                 | D         | Other                | :                                                      |                                |                            |                            | $ \rightarrow $         |          | 1              |
| Pressure Line Release Detec                   | t. Te          | st Dat       | e: 6-               | 8-09      | Flex                 | Flex Connectors Corr. Protec. Test date: $\lambda J/A$ |                                |                            |                            |                         |          |                |
| Mechanical Leak Detector<br>(Flow Restrictor) |                |              |                     |           | Prod                 | uct line                                               | (Indicate I i<br>install, B if |                            | $(\mathbf{x},\mathbf{y})$  |                         | Zella    |                |
| Positive Shutoff                              |                |              |                     |           | Dispe                | enser                                                  | (Indicate I i<br>install, B if |                            | JUI                        | an l                    | (0.02)   |                |
| Continuous Alarm w/Shutoff                    |                |              |                     |           | Spill                | Prevent                                                | tion                           |                            |                            | ungiai                  |          | <del></del>    |
| Automatic Line Monitor                        | B              | 6            | 6                   |           | Spill I              | Spill Buckets                                          |                                | $\mathcal{M}(\mathcal{M})$ | $(\boldsymbol{\curlyvee})$ | K                       | 18       | <b>)</b> ARCEN |
| Other:                                        |                |              | PL                  | LUL       | Over                 | fill Preven                                            | ntion                          |                            |                            |                         |          |                |
| Pump and Dispenser Contai                     | nment          |              | $\overline{\Delta}$ |           | Drop                 | Tubes a                                                | nd                             |                            |                            |                         |          |                |
| Submersible Pump Pan                          | $(\mathbf{r})$ |              |                     |           | Overl                | ill Shutoff                                            | Device <u>or</u>               |                            |                            |                         |          |                |
| Dispenser Pan                                 | H              | $(\times)$   | $\times$            |           | Outsid               | de Audible (                                           | Overfill Alarr                 | n <u>or</u>                |                            |                         |          |                |
| Installation of these tank                    | (s wa          | s don        | e und               | er the    | Ball F               | loat Valve                                             | )                              |                            | $(\mathbf{x})$             | $\overline{\mathbf{x}}$ | R        | ×              |

| Prod |
|------|
|      |

04/03 UST008

KDHE Reference No: Owner ID: 06884 Fecility ID: TBA

# New Underground Storage Tank System Installation Application

(Petroleum Products and Hazardous Substances)

An application fee of \$20.00 per tank must accompany this application. This completed application form and installation plan(s) must be submitted to KDHE. a minimum of ten (10) days prior to the proposed installation date. KDHE USE ONLY: State of Kansas - Division of Environment Submit to: Kansas Department of Health and Environment Bureau of Environmental Remediation APPROVED Storage Tank Section When constructed to conform with Art. 44 Date: 1000 SW Jackson, Suite 410 Topeka, KS 66612-1367 Phone: 785-296-8061 Fax: 785-296-6190 Please Print Clearly or Type I. Facility Information A. Facility Name: B. Facility Address: 2100 simet) Reams-Wid 20 C. Contact Person: Ji [1] D. Legal Location: 2100 5 4th St County: Lew veni E. Qtr. Section: NE Corner of SUI QL \_ Township \_ **Q** Section 1 Range 22 - E (EW (circle one) F. New facility? ULS\_\_\_\_ Existing facility? \_\_\_\_\_ If existing, number of tanks already at this location: \_\_\_\_\_ G. Are tanks to be taken out of service due to this new installation? No X Yes How many? H. Will new tank(s) occupy old tank excavation? Yes \_\_\_\_\_ No \_X\_\_\_ If "Yes," how many? I. Have tank or line failures lead to this proposed new installation? Yes \_\_\_\_\_ No X and a If yes, to whom was the leak reported? J. If failures have occurred, please briefly describe the incident: 11. K. Is this facility in the State Trust Fund for environmental cleanup? No. Yes L. Number of monitoring devices already at this location: 1. Groundwater monitoring wells \_ \_\_\_\_\_ 2. Observation tubes: 3. Other (please describe): M. Is the facility located on Native American reservation or trust lands? Yes: No: X II. Tank Owner Information, aseu's General Stores The A. Owner Name: ( B. Owner Address: C. Contact Person: Sill Reams-Lu iddli Phone: (515 Email: <u>JII reamSwidder Or useys com</u>Fax: (515)965 Federal Private Retail D. Owner Type: State/Local Government **III.** Contractor Information Construction LLCLIC. No. and Exp. Date: 0330 A. Company Name: Seneca 3-07-09 B. Company Address: 13915 Grandview Century Lane C. Individual Licensee: 07491 Lic. No. and Exp. Date 0749 1 11-18-09 Phone: (816 ) 761 7369 D. Contact Person: Co Email: ChanVol @ Senecaco.com Fax: (86) 761 8331 E. List other contractors and their duties: \_ 3378.

#### IV. Tank Information

(Note: Double wall tanks are required for hazardous substances. An owner may consider using secondary containment/double wall tanks if the facility is located within an environmentally sensitive area.)

|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                                   | filling bondia vo broan                |                                          |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------|----------------------------------------|------------------------------------------|--|--|--|--|
| Tank Numbers:                                                                                                                                                                                                                                                                                                                                                                                                         | 001                                    | 002                               | 003                                    |                                          |  |  |  |  |
| A. Type of Tank<br>FRP/STIP3/ACT-100                                                                                                                                                                                                                                                                                                                                                                                  | FRP                                    | FRP                               | FRP                                    |                                          |  |  |  |  |
| B. 3 <sup>rd</sup> party certification                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                   |                                        |                                          |  |  |  |  |
| LIL no./ASTM no./ACT-100                                                                                                                                                                                                                                                                                                                                                                                              |                                        |                                   |                                        |                                          |  |  |  |  |
| C. Dble/Sngl Wall                                                                                                                                                                                                                                                                                                                                                                                                     | BLE-Wall                               | DBLE-WALL                         | SPLIT                                  | · · · · · · · · · · · · · · · · · · ·    |  |  |  |  |
| D. Tank Capacity (gais)                                                                                                                                                                                                                                                                                                                                                                                               | 20,000                                 | 20,000                            | - 8000<br>split                        |                                          |  |  |  |  |
| E. Tank Dimensions<br>Length, diameter                                                                                                                                                                                                                                                                                                                                                                                | 10'737'                                | 10' 10'                           |                                        |                                          |  |  |  |  |
| F. Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                       | Containme                              | nt Solution                       | 5                                      | an a |  |  |  |  |
| F. Product Stored                                                                                                                                                                                                                                                                                                                                                                                                     | Gas                                    | Gas                               | Diese                                  |                                          |  |  |  |  |
| G. Spill Prevention<br>manu. & model #                                                                                                                                                                                                                                                                                                                                                                                | EBW-15 Gal.                            | EBW -15 Gal                       | EBW-15 Gal                             |                                          |  |  |  |  |
| H. Overfill Prev.<br>auto. shutoff/audible                                                                                                                                                                                                                                                                                                                                                                            | BALL Float                             | .BALL Float                       | BALL Float                             |                                          |  |  |  |  |
| alarm/ball float valve<br>manu.& model #                                                                                                                                                                                                                                                                                                                                                                              | OPW-233                                | OPW-233                           | OPW -23                                | 3                                        |  |  |  |  |
| I. Backfill Type<br>send/gravel/crushed rock<br>J. Anchoring system, pla                                                                                                                                                                                                                                                                                                                                              | Approved Cr                            | ushed Clea                        | h 318" Stone                           |                                          |  |  |  |  |
| J. Anchoring system, pla<br>required.: Dead-ma                                                                                                                                                                                                                                                                                                                                                                        | esse describe. If subsu<br>n Anchov Su | rface water is above the<br>Stems | base of the tank(s), an a              | anchoring system will be                 |  |  |  |  |
| K. A volumetric tank tightness test is required at the time of installation prior to operation to insure the system is tight.<br>Documentation of tank and line tightness may be satisfied by providing printouts from automatic tank and line monitors if<br>testor is licensed by the State of Kansas. Submit all test results to KDHE.<br>Method to be performed: Tank Manitor Frint Out and Tankyology. Tank Test |                                        |                                   |                                        |                                          |  |  |  |  |
| V. Release detection for Tanks: Tank release detection method must meet the requirements of EPA regulations parts 280.41 and 280.43. Check and identify all that apply.<br>X Automatic Tank Gauge (manu.&model #: Veeder Root TLS 350 plus w/PLL)                                                                                                                                                                     |                                        |                                   |                                        |                                          |  |  |  |  |
| Statistical Inventory Reconciliation (give name of vendor NIA ),                                                                                                                                                                                                                                                                                                                                                      |                                        |                                   |                                        |                                          |  |  |  |  |
| Y Tightness Test/Inventory Control, Manual Tank Gauging, _X Interstitial Monitoring,                                                                                                                                                                                                                                                                                                                                  |                                        |                                   |                                        |                                          |  |  |  |  |
| Vapor Monitoring, Groundwater Monitoring, Other (describe):                                                                                                                                                                                                                                                                                                                                                           |                                        |                                   |                                        |                                          |  |  |  |  |
| If Interstitial Monitor or Vapor Monitor, give manuf. and                                                                                                                                                                                                                                                                                                                                                             |                                        |                                   |                                        |                                          |  |  |  |  |
| model#: Veeder Root TLS 350                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                                   |                                        |                                          |  |  |  |  |
| VI. Product Line Information: Secondary containment/double wall piping is required for hazardous substances. An owner may consider using secondary containment/double wall piping if the facility is located within an environmentally sensitive area.         A. Type of lines: Material: <u>APT-XP_1.75_D.W.</u>                                                                                                    |                                        |                                   |                                        |                                          |  |  |  |  |
| R Corrosion Pro                                                                                                                                                                                                                                                                                                                                                                                                       | tection: KILA                          |                                   |                                        |                                          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                                   | ······································ |                                          |  |  |  |  |

C. Product Distribution System:

1. Safe Suction (only one check valve located directly under pump).

\_\_\_\_\_ 2. Conventional Suction (circle one): Foot Valve or Angle Check

X 3. Pressure (submersible pump in tank). Proceed to next page for Product Line Monitoring.



813) Mark Parkinson, Governor Roderick L. Bremby, Secretary

www.kdheks.gov

06884 -

July 14, 2009

Mr. Ed Hankel, 10749 Seneca Construction LLC 13915 Century Lane Grandview, MO 64030

AND ENVIRONMENT

12

## RE: Underground Storage Tank New Installation Casey's General Store #2826 (Fac. Id # TBA) 2100 South 4<sup>th</sup> Street Leavenworth, KS 66048

Dear Mr. Hankel:

I reviewed and approved the installation application for three new underground storage tanks at the above referenced facility on July 13, 2009. The enclosed "installation permit" is valid for 120 days from the date of this letter. If installation is delayed beyond 120 days, this approval shall be considered void, and a new application, supplemental documents, and additional permit fees will be required. Effective June 1, 2003, the 120-day installation permit will be issued in place of the 180 day "temporary operating permit." The installation permit is issued to the KDHE licensed contractor after payment of required fees and the application is submitted and approved by KDHE. Please notify KDHE in writing if the project is canceled.

A separate 120-day "temporary operating permit" will be issued to the owner when the installation is complete, and KDHE <u>has received the tank and line tightness tests</u> or other approved documentation of tightness. The "temporary operating permit" must be obtained prior to operating the tanks. Contact this office at (785) 296-8061 or toll-free (877) 221-0325 prior to the anticipated date of first use. There are various 3<sup>rd</sup> party approved methods of achieving verification of tank and line tightness. For approved tightness test methods, refer to the EPA list of Leak Detection Evaluations for Underground Storage Tanks or contact a KDHE licensed tightness tester.

The UST installer should contact our <u>Northeast District Office</u> at (785) 842-4600, at least five days prior to installation in order to schedule a facility inspection. If a tank removal is planned, the district office must be notified 30-days prior to removal.

DIVISION OF ENVIRONMENT Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367 Voice: 785-296-6372 Fax: 785-296-6190 email: mmmeerian@kdhe.state.ks.us

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## Responsibilities of the contractor include:

- ! Obtaining and displaying the KDHE "New Underground Storage Tank Installation Permit"
  - Using the KDHE form UST011 **"Underground Storage Tank System Tightness Test"** for reporting results of installation tightness tests to KDHE within 30 days of the test.
    - (An ATG leak test will only be substituted for a tightness test if it is performed according to 3rd party certification parameters and passes the tank at the 0.1 gph leak test with the tank as full as overfill devise allows.)
- ! Completing and signing page two of KDHE form UST007 "Notification with UST Compliance Verification."
  - Forwarding copies of KDHE form UST007 "Notification with UST Compliance Verification," to the Tank Owner for review as soon after the installation as possible with instructions to sign and forward it to KDHE within 30 days of operation.
  - Providing copies of the UST011 "Tightness Test" and the third party certification of release detection equipment to the owner.

#### <u>Responsibilities of the tank owner include:</u>

- Providing KDHE with the Certificate of  $3^{rd}$  Party Liability Insurance coverage (or equivalent) on the newly installed underground storage tank(s) prior to placing a regulated substance in the tank.
- Signing and completing the owner and facility information on page one of UST007 "Kansas Registration Notification with UST Compliance Information" form.
- Sending KDHE form UST007 "Notification with UST Compliance Information" form to KDHE within 30 days of putting the tank into use,
- Displaying the 120-day **Temporary Operating Permit** at the installation site, *and*
- ! Complying with release detection and inventory control reporting requirements.

The KDHE "annual UST operating permit" will be issued when KDHE receives all necessary forms, including the first 30 days of Inventory control records and the initial 90-day summary sheet of tank and line Release Detection. Please use the following address to send the information listed above:

Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS 66612-1367

DIVISION OF ENVIRONMENT Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367

Voice: 785-296-6372 Fax: 785-296-6190 email: mmmeerian@kdhe.state.ks.us

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Mr. Ed Hankel, 10749 Page 3 July 14, 2009

Note this approval covers the KDHE "Storage Tank Section" requirements only and does not extend to local, county, municipal, or State Fire Marshal regulations. Contractors are reminded to obtain all necessary permits before beginning construction.

Thank you for your continued cooperation.

Sincerely,

1. A Meerian

Marcus A. Meerian Environmental Scientist KDHE-BER-Storage Tanks

#### MAM:AMH

Enclosures: "Notification for Underground Storage Tanks with Compliance Information," "Underground Storage Tank System Tightness Test," and a "KDHE New UST Installation Permit."

cc: KDHE-NEDO, File

#### DIVISION OF ENVIRONMENT

Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367

Voice: 785-296-6372

Fax: 785-296-6190 email: <u>mmmeerian@kdhe.state.ks.us</u>

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Mark Parkinson, Governor Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH AND ENVIRONMENT

www.kdheks.gov

July 14, 2009

Ms. Jill Reams-Widder Casey's General Store Inc. One Convenience Blvd. Ankeny, IA 50021

## RE: Underground Storage Tank New Installation Casey's General Store #2826 (Fac. Id # TBA) 2100 South 4<sup>th</sup> Street Leavenworth, KS 66048

Dear Ms. Reams-Widder:

I reviewed and approved the installation application for the above referenced facility on July 13, 2009. This approval is valid for 120 days. Effective June 1, 2003, the contractor will be issued a separate "installation permit" This permit allows for <u>installation only</u> and does not allow for "operation" of the tanks.

#### • Responsibilities of the tank owner include:

- Obtaining a 120-day Temporary Operating Permit prior to operating the tanks. Call this office at (785) 296-8061 or toll-free (877) 221-0325 during business hours 3-5 days prior to the anticipated date of use. KDHE will issue a 120-day Temporary Operating Permit when 1) the installation is complete, and 2) KDHE has received the tank and line tightness tests or other approved documentation of tightness and 3) KDHE has received the certificate of 3<sup>rd</sup> party liability insurance or equivalent.
- Sending the signed "Notification with UST Compliance Verification" to KDHE within 30 days of putting the tank into use (obtain the completed KDHE form UST007 "Notification with "UST Compliance Verification" from your contractor, fill out the owner and facility information on the front and sign the "Notification" form.)
- Providing KDHE with the Certificate of 3<sup>rd</sup> Party Liability Insurance coverage (or equivalent) on the newly installed underground storage tank(s) prior to placing product in the tank(s),

Displaying the **120-day Temporary Operating Permit**\*\*\* at the installation site, <u>and</u>

DIVISION OF ENVIRONMENT Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367

Voice: 785-296-6372 Fax: 785-296-6190 email: mmeerian@kdhe.state.ks.us

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## Ms. Jill Reams-Widder Page 2 July 14, 2009

- Complying with release detection and inventory control reporting requirements:
  - Begin **inventory control**. <u>You must provide</u> a copy of the first thirty days of inventory control to KDHE for verification after the first month of operation.
  - Begin monthly inventory control using your leak detection method.

\*\*\*Failure to hold and display a valid operating permit may lead to administrative action against the owner.

The annual KDHE UST operating permit will be issued when KDHE receives 1) the initial "<u>Inventory Control record</u>," and 2) the "<u>Notification with Compliance Verification</u>," from the owner, plus 3) the tank and line "<u>Tightness Test</u>" from the contractor.

Use the following address to send the information listed above: Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS 66612-1367

An approval letter has also been provided to your KDHE licensed contractor. The UST installer has been instructed to contact our KDHE **<u>District Office</u>** at least 30 days prior to a removal of tanks and five days prior to installation in order to schedule a facility inspection.

## **Responsibilities of the KDHE licensed contractor include:**

Filling out the tank information on page one of the KDHE form UST007 - "Notification."

Completing and signing page two of KDHE form UST007 - "UST Compliance Verification".

- Using KDHE form UST011 "Underground Storage Tank System Tightness Test" for reporting results of tightness tests to KDHE within 30 days of the test. (An ATG must pass the tank at the 0.1gph leak rate according to 3<sup>rd</sup> party certification of equipment with the tank as full as overfill equipment will allow to be accepted as a tightness test)
- ! Certifying proper operation of release detection equipment and providing 3<sup>rd</sup> party certification of the equipment to the owner.
- Porwarding copies of the "Notification with UST Compliance Verification," to the Tank Owner as soon after the installation as possible with instructions to forward to KDHE.

Please note: this approval covers the KDHE "Storage Tank Section" requirements only and does not extend to local, county, municipal, or State Fire Marshal regulations. Contractors

> DIVISION OF ENVIRONMENT Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367

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Ms. Jill Reams-Widder Page 3 July 14, 2009

and owners are reminded to obtain all necessary permits before beginning construction. Thank you for your continued cooperation.

Sincerely,

ercus A. Mearian

Marcus A. Meerian Environmental Scientist KDHE-BER-Storage Tanks

MAM:AMH

Enclosures: "Kansas Storage Tank Program Overview of Underground Storage Tank Requirements," owner checklist, and a copy of the application and installation permit.

Pc: (file, KDHE-NEDO)

DIVISION OF ENVIRONMENT Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367

Voice: 785-296-6372 Fax: 785-296-6190 email: mmeerian@kdhe.state.ks.us

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# KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT NEW UNDERGROUND TANK INSTALLATION PERMIT #160 VALID THROUGH November 13, 2009

Owner ID: 06884 Casey's General Store Inc. One Convenience Blvd. Ankeny, IA 66002 Facility ID: TBA Casey's General Store #2826 2100 South 4<sup>th</sup> Street Leavenworth, KS 66048

Tank No(s). U001, U002, U003

KDHE LICENSED INSTALLER: Ed Hankel

**KDHE LICENSED CONTRACTOR: Seneca Construction LLC** 

ISSUE DATE: July 13, 2009

# (POST THIS PERMIT IN A VISIBLE LOCATION)

THIS PERMIT WILL ALLOW ONLY THE <u>INSTALLATION</u> OF NEW UNDERGROUND STORAGE TANKS AT THIS FACILITY. THIS PERMIT AUTHORIZES A ONE-TIME DROP OF FUEL FOR TANK AND LINE TIGHTNESS TESTING ONLY.

TANK OWNERS MUST CONTACT KDHE TO OBTAIN A **"120-DAY TEMPORARY OPERATING PERMIT**" PRIOR TO PLACING THE TANKS IN SERVICE. TANK OWNERS MUST SUBMIT THE KDHE FORM UST007 – **"KS REGISTRATION NOTIFICATION with COMPLIANCE VERIFICATION"** TO KDHE **WITHIN 30 DAYS** OF THE INSTALLATION OF NEW UNDERGROUND STORAGE TANKS. TANKS NOT INSTALLED BY THE EXPIRATION DATE WILL REQUIRE A NEW APPLICATION.

| CARRI M. GILL<br>GREG R. GILL                                     | 3600                                |
|-------------------------------------------------------------------|-------------------------------------|
| 913-685-2712<br>6240 W. 156TH ST.<br>OVERLAND PARK, KS 66223-3621 | Date 7-13-2009 18-3/1010 M0<br>2815 |
| bay KDHE                                                          | \$ 60 00<br>Dollars A               |
| Bank of America                                                   |                                     |
| SEASEY'S LEAVENWORTH LIST'S                                       | Sh Man                              |

den ar

52572

04/03 UST006

KDHE Reference No: Owner ID: 06884 Facility ID: TRA

County: /

<u>Call17, 3</u>

## New Underground Storage Tank System Installation Application

(Peiroleum Producis and Hazardous Substances)

An application fee of \$20.00 per tank must accompany this application. This completed application form and installation plan(s) must be submitted to KDHE, a minimum of ten (10) days prior to the proposed installation date. KOHE USE ONLY: State of Kansas - Division of Environment Submit to: Kansas Department of Health and Environment Bureau of Environmental Remediation APPROVED Storage Tank Section When constructed to conform with Art. 44 Date: 7-13-09 1000 SW Jackson, Suite 410 Topeka, KS 66612-1367 Phone: 785-296-8061 Fax: 785-296-6190 Please Print Clearly or Type I. Facility Information A. Facility Name: ( B. Facility Address: 2 (simat) (city) (siata) (zin) C. Contact Person: Ja Phone: (5 Prim der

Utz D. Legal Location: 2100 S

Section \_\_\_\_\_ Township 9 E. Qtr. Section: NE Corner of SUI Q1 Range 22 - E (EW (circle one)

F. New facility?  $\underline{U}_{A} \leq \underline{U}_{A} \leq \underline{U$ 

H. Will new tank(s) occupy old tank excavation? Yes \_\_\_\_\_ No \_X\_\_\_ If "Yes," how many? I. Have tank or line failures lead to this proposed new installation? Yes No. Xanabar (Valuation)

If yes, to whom was the leak reported?

J. If failures have occurred, please briefly describe the incident:

K. Is this facility in the State Trust Fund for environmental cleanup? No. Yes L. Number of monitoring devices already at this location: 1. Groundwater monitoring wells 2. Observation tubes:

3. Other (please describe): M. Is the facility located on Native American reservation or trust lands? Yes: No: X

II. Tank Owner Information, A. Owner Name: (Seneral Store

Unuchience Bl B. Owner Address: One

Reams-Widder Phone: (5/5 C. Contact Person: Email: <u>sill reamswidder@cuseus.com</u>Fax: (515) Federal Private Retail

D. Owner Type: State/Local Government **III.** Contractor information

- Construction LLCLIC. No. and Exp. Date: 0330 Seneca A. Company Name:
- Century Lane Grandview MO <u>64</u>030 B. Company Address: 139
- Lic. No. and Exp. Date 0749 1 C. Individual Licensee:
  - Phone: (816) 761 -D. Contact Person: Co @ Senecaco, com Fax: (816) 761 - 8331 Chankel Email:

E. List other contractors and their duties:

#### IV. Tank Information

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(Note: Double wall tanks are required for hazardous substances. An owner may consider using secondary containment/double wall tanks if the facility is located within an environmentally sensitive area.)

| Tank Numbers:                                                                                                                                                                                                                                                                                                                                                                                                          | A .                     |                         |                 |                                                    |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|-----------------|----------------------------------------------------|--|--|--|--|
| A There as The all                                                                                                                                                                                                                                                                                                                                                                                                     |                         | 002                     | 003             |                                                    |  |  |  |  |
| A. Type of Tank<br>FRP/STIP3/ACT-100                                                                                                                                                                                                                                                                                                                                                                                   | FRP                     | FRP                     | FRP             |                                                    |  |  |  |  |
| B. 3 <sup>rd</sup> party certification                                                                                                                                                                                                                                                                                                                                                                                 |                         |                         |                 |                                                    |  |  |  |  |
| UL no./ASTM no./ACT-100                                                                                                                                                                                                                                                                                                                                                                                                |                         |                         |                 |                                                    |  |  |  |  |
| C. Dble/Sngl Wall                                                                                                                                                                                                                                                                                                                                                                                                      | BLE-Wall                | DBLE-WALL               |                 |                                                    |  |  |  |  |
| D. Tank Capacity (gais)                                                                                                                                                                                                                                                                                                                                                                                                | 20,000                  | 12,000                  | - 8000<br>Split |                                                    |  |  |  |  |
| E. Tank Dimensions<br>Length, diameter                                                                                                                                                                                                                                                                                                                                                                                 | 10'737'                 | 10' × 37'               |                 | .U.U. 🦿 🖇 2009                                     |  |  |  |  |
| F. Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                        | Containme               | nt Solution             | <u>\S</u>       | THE HALL (P.<br>THE HALL COMPLETABLE (COMPLETABLE) |  |  |  |  |
| F. Product Stored                                                                                                                                                                                                                                                                                                                                                                                                      | Gas                     | Gas                     | Diese           |                                                    |  |  |  |  |
| G. Spill Prevention<br>manu. & model #                                                                                                                                                                                                                                                                                                                                                                                 | EBW-15 Gal.             | EBW -15 Gal             | EBW-15 Gal      |                                                    |  |  |  |  |
| H. Overfill Prev.<br>auto. shutoff/audible                                                                                                                                                                                                                                                                                                                                                                             | BALL Float              | .BALL Float             | BALL Float      |                                                    |  |  |  |  |
| alarm/ball float valve<br>manu.& model #                                                                                                                                                                                                                                                                                                                                                                               | OPW-233                 | OPW-233                 | OPW -23         | 3                                                  |  |  |  |  |
| I. Backfill Type<br>sand/gravel/crushed rock                                                                                                                                                                                                                                                                                                                                                                           | Approved Cr             | ushed Clea              | h 3/8" Stone    |                                                    |  |  |  |  |
| J. Anchoring system, please describe. If subsurface water is above the base of the tank(s), an anchoring system will be required.: Dead-man Anchor Systems                                                                                                                                                                                                                                                             |                         |                         |                 |                                                    |  |  |  |  |
| K. A volumetric tank tightness test is required at the time of installation prior to operation to insure the system is tight.<br>Documentation of tank and line tightness may be satisfied by providing printouts from automatic tank and line monitors if<br>testor is licensed by the State of Kansas. Submit all test results to KDHE.<br>Method to be performed: Tank Map: test Print Out and Tank place Tank Test |                         |                         |                 |                                                    |  |  |  |  |
| V. Release detection for Tanks: Tank release detection method must meet the requirements of EPA regulations parts<br>280.41 and 280.43. Check and identify all that apply.<br><u>X</u> Automatic Tank Gauge (manu.&model #: <u>Veeder Root TLS</u> 350 plus w/PLL)                                                                                                                                                     |                         |                         |                 |                                                    |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | n (give name of vendor_ |                 | ),                                                 |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | Manual Tank (           |                 | -                                                  |  |  |  |  |
| <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                               |                         | dwater Monitoring, Othe | r (describe):   | ······································             |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        | tor or Vapor Monitor, g |                         |                 |                                                    |  |  |  |  |
| · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                            | v Root TLS 3            | •                       |                 |                                                    |  |  |  |  |
| VI. Product Line Information: Secondary containment/double wall piping is required for hazardous substances. An owner may consider using secondary containment/double wall piping if the facility is located within an environmentally sensitive area.                                                                                                                                                                 |                         |                         |                 |                                                    |  |  |  |  |
| A. Type of lines: Material: APT-XP 1.75 D.W. Diameter: 1.75"Length: 500                                                                                                                                                                                                                                                                                                                                                |                         |                         |                 |                                                    |  |  |  |  |
| B. Corrosion Pro                                                                                                                                                                                                                                                                                                                                                                                                       |                         |                         | ,,,,,,          | · · · · · · · · · · · · · · · · · · ·              |  |  |  |  |
| C. Product Distribution System:<br>1. Safe Suction (only one check valve located directly under pump).                                                                                                                                                                                                                                                                                                                 |                         |                         |                 |                                                    |  |  |  |  |

\_\_\_\_ 2. Conventional Suction (circle one): Foot Valve or Angle Check

X\_\_\_3. Pressure (submersible pump in tank). Proceed to next page for Product Line Monitoring.

| VII. Product Line Monitoring: Line release detection method<br>280.41 and 280.43.<br>A. Line Release Detection - All lines: | must meet the requirements of EPA regulations parts         |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Tightness test/Inv. Control, 🛛 📈 Interstitial N                                                                             |                                                             |
| Other (describe):                                                                                                           | _Give manufacturer and model of if electronic line monitor, |
| interstitlal monitor, or vapor monitor checked:                                                                             |                                                             |
| B. Additional Release Detection - pressurized lines of                                                                      | only: _XElectronic line monitor,Flow Restrictor,            |
| Shutoff Device, 🔣 _Continuous alarm. Give                                                                                   | manufacturer and model of pressurized line release          |
| detection Veeder Ront TLS 350                                                                                               | PLLD                                                        |
| VIII. Plans and Notification Form                                                                                           | Proposed Installation Date: 1-5-09                          |

This completed application form and installation plan(s) must be submitted to KDHE in Topeka, a minimum of ten (10) days prior to the \*\*proposed installation date. Plans should document the location of the tanks, islands, dispensers, lines and vents, monitoring equipment, observation tubes, nearby structures, utilities, and property boundaries. Include a scale and north arrow. Please refer to the checklist below to assure that site plans are complete. Any changes to the proposed plans must be approved prior to installation. As-built drawings and the UST Compliance Verification must be submitted within 30 days of the completion of the installation. Copies of the submitted data should be provided to the facility owner.

IX. Checklist for Submission of Site Plans

| Item on Site Plan                             | Yes | No | <b>《</b> 》(《《》)》(《》)                                 |
|-----------------------------------------------|-----|----|------------------------------------------------------|
| Location of tank(s), islands, and dispensers. | X   |    | NUL 1 8 2009                                         |
| Location of lines and vents.                  | X   |    |                                                      |
| Location(s) of monitoring equipment.          | X   |    | annas Uastan<br>1910 an Chaine Annas an Anna an Anna |
| Location(s) of observation tubes.             | X   |    | ·                                                    |
| Locations-of-nearby-structures                | — X |    |                                                      |
| Locations of utilities.                       | X   |    |                                                      |
| Locations of property boundaries.             | X   |    |                                                      |
| Scale.                                        |     |    |                                                      |
| North Arrow.                                  |     |    |                                                      |

#### X. Applicant's Certification

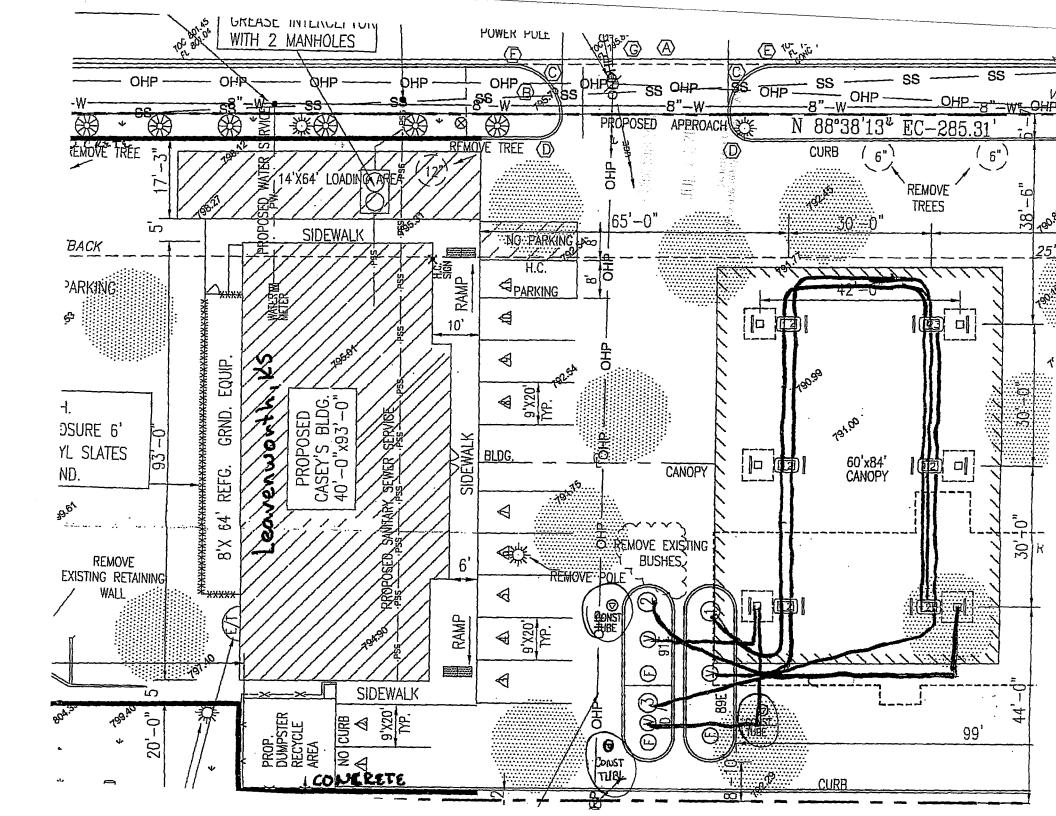
I certify that the information above is true to the best of my knowledge and that all equipment will be installed in compliance with the manufacturers' installation requirements. This installation will be performed in compliance with all federal, state, and local regulations.

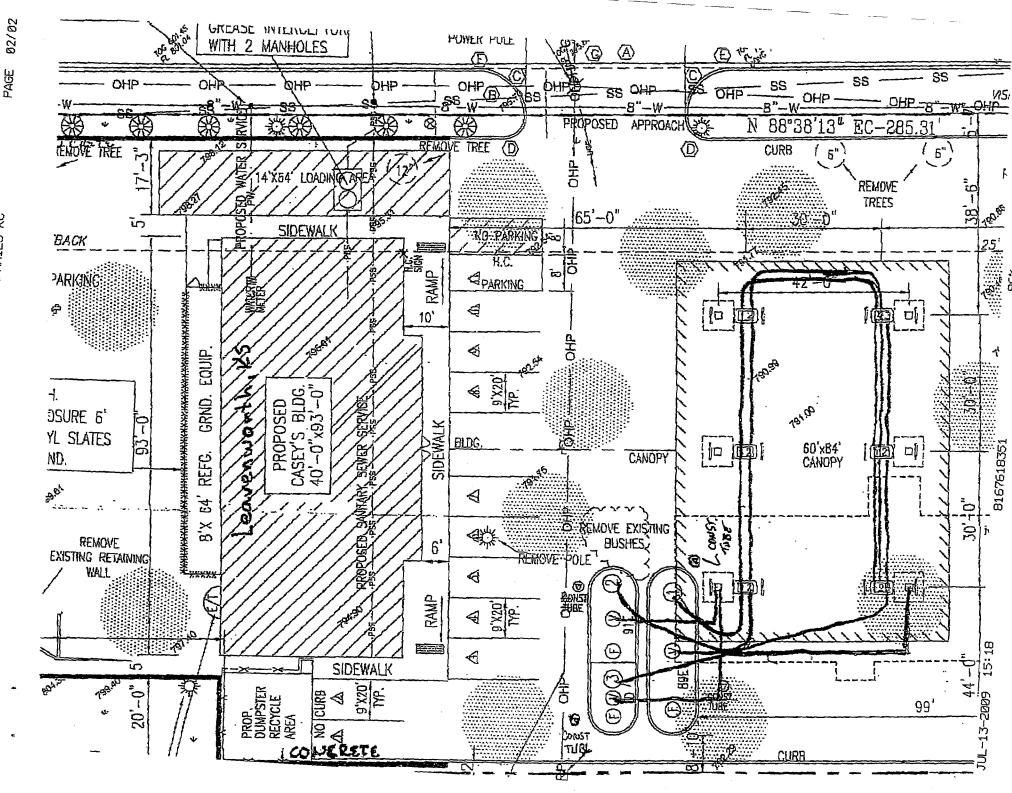
Owner's Signature

1Q-18-08

KDHE Licensed Installer Signature

(date) Please direct questions regarding Installation of USTs to KDHE, Storage Tank Section, 785-296-8061. Regulations requiring the installation of observation tubes in tank excavations follow on the next page.





SENECA COMPANIES KC

07/13/2009 14:02 B157518351

| 8          | 97/1       | 3/2009              | 14:16                                 | 8        | 167618351                   | SENECA COMPANIES KC                                |              | PAGE        | 02/10 |
|------------|------------|---------------------|---------------------------------------|----------|-----------------------------|----------------------------------------------------|--------------|-------------|-------|
| CASE       | <b>YSF</b> | ield sup            |                                       | 1.1      | Y.                          | Work Order 2824005                                 | ,            | G STORE     |       |
| Store      |            | LEAVENV             | VORTH                                 | Ø        | State KS#3                  | Date Shipped (2-10-08                              | /            |             |       |
| Date C     |            |                     |                                       |          |                             |                                                    | Ĉ            | #2826 )     |       |
| Called     |            |                     | ******                                |          | <del>بر بر ایک ان</del> تین | Store # 3 9 R                                      | Resale       |             | ••••  |
|            |            | TIR                 | ÷,,,,,                                |          |                             | Date Revised: 02/02                                | Page 5 of 24 | ţ           |       |
|            |            | THE                 |                                       |          |                             | 201m                                               |              |             |       |
| <b>1</b>   | Trk        | Ouertitu            | Quantity                              |          |                             | -                                                  | T            |             | ٦     |
|            | No         | Quantity<br>Ordered | -                                     |          | Part Number                 | BRASS LOAD                                         | Unit Price   | TOTAL       |       |
| ÷          | 01         | 24                  | 24                                    |          | 260800                      | Tank Anchor 111B                                   |              |             | -     |
|            | 01         | - 24                | 24                                    | -        | 260816                      | Turn Buckle 111B                                   |              | <u> </u>    | 1     |
|            | 01         | 1                   | - Gil-                                | -        | 601250                      | Tank Stick 114E                                    |              |             | -     |
|            | 01         | 2                   | 2                                     |          | 260780                      | Epoxy Coating (2 part ) 114B                       |              |             |       |
|            | 01         | ······              |                                       |          | 610910                      | Brick (Building & Ref. fence area ) 41B            |              |             | 1     |
| - <u> </u> | 01         |                     | · · · · · · · · · · · · · · · · · · · |          | 610910                      | Brick ( Monument sign = 1,680brick ) 41B           |              | <b></b>     | 1     |
|            | 01         | 105                 | 105                                   | ~        | 610911                      | Brick Solid 41B                                    |              |             | 1     |
| <u> </u>   | 01         |                     |                                       |          | 610911                      | Brick Solid (30-lowa can shed) 41B                 |              |             | 7     |
|            | 01         | 1                   | 1                                     | ~        | 311421                      | Roof Curb 21"                                      |              |             | 7     |
|            | 01         | 2                   | 2                                     |          | 311418                      | Roof Curb 18"                                      |              | · · · · · · |       |
|            | 01         |                     |                                       |          |                             | P. P. D. C.                                        |              |             | ]     |
|            | 01         | r                   |                                       |          |                             | Kertilite                                          |              |             | ]     |
|            | 01         |                     |                                       |          |                             | VAPOR RECOVERY ITEMS                               |              |             |       |
|            | 01         |                     |                                       |          |                             | STAGE 1 AND 2                                      |              | v-n         |       |
|            | 01         | <u> </u>            | 3                                     |          | 260722                      | 3" Orange Cap #OPW1711T-7085 114B                  |              |             |       |
|            | 01         | 3                   | 3                                     |          | 260723                      | 3"x4" Adpater #OPW1611AV-1620 114B                 | 1            |             |       |
|            | 01         | -                   |                                       |          | 260632                      | 2" Entry Boot 114B                                 |              |             |       |
|            | 01         |                     |                                       | <u> </u> | 260335                      | Manhole 18" EBW 781-318-18 114B                    |              |             |       |
|            | 01         |                     |                                       |          | 100648                      | 4" X 48" Black Nipple (VERIFY) 114B                |              | v#          |       |
|            | 01         |                     |                                       |          | 100645                      | 4" X 42" Black Nipple (VERIFY) 114B                |              |             |       |
|            | 01         |                     | L                                     | L        | 260623                      | Extractor Tee 4" x 2" EBW 330-300-01 114B          |              |             |       |
|            | 01         |                     |                                       | ļ        | 260620                      | Ball Float 2" EBW 308-205-01-7" 114B               |              | <u>_</u>    |       |
| ··         | 01         | ·                   |                                       | $\vdash$ | 260616                      | Ball Float 2" EBW 308-209-01-16" 114B              |              |             | 1     |
|            | 01         |                     | Ļ                                     |          |                             |                                                    |              |             | 1     |
|            | 01         |                     |                                       |          | 260728                      | V/ Rec-2"Vent Cap(Assist/Balance)#0PW623V2203 114B |              | <u> </u>    | 4     |
|            | 01         |                     |                                       | <u> </u> | 260774                      | V/ Rec-3"Vent Cap(Assist/Balance)#0PW623v3203 114B |              |             | 4     |
|            | 01         |                     | L                                     |          |                             |                                                    |              |             | 4     |
|            | 01         |                     |                                       | <b>_</b> | 260729                      | Shear Valve (Vapor Saver) #60VP-1001 114B          |              |             | 4     |
|            | 01         |                     |                                       | <b> </b> |                             |                                                    |              |             | _     |
|            | 01         |                     | L                                     | L        | l                           |                                                    |              |             | 1     |

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|-------------|----------|---------------------------------------------------|----------|-----------|------------------|--------------------------------------------------------------------------------|---------------------------------------|-------------|---------|
| 6405        | vić'n    |                                                   | PORT     | ,         |                  | Work Order 2 みっし CO 1                                                          |                                       |             |         |
|             | -        |                                                   |          |           |                  |                                                                                | _                                     |             |         |
| Date (      |          | VENWOR                                            |          |           | State KS#3       | Date Shipped                                                                   | **                                    | #2826       |         |
| Called      |          | , , <del>, , , , , , , , , , , , , , , , , </del> |          |           |                  | Store # 3                                                                      | Resale                                | #2.020      | ••• • • |
|             |          | 1 <u>-R</u> -                                     | -:       |           | · ·····          |                                                                                | INGARIC                               |             |         |
|             |          | ST-                                               |          |           |                  |                                                                                |                                       |             |         |
|             |          |                                                   |          |           |                  | -                                                                              | i                                     |             | -       |
|             |          | Quantity                                          | Quantity |           |                  | PETROLEUM UPDATE                                                               |                                       |             | 1       |
|             | No       | Ordered                                           | Shipped  | BO        |                  | 114B                                                                           | Unit Price                            | TOTAL       | 4       |
|             | 01       | 12                                                | 12       | -         | 260633           | Entry Boot 3/4"-1" APT FEB-075D                                                | l                                     |             |         |
|             | 01       | 12                                                | 12       | ~         | 260632           | Entry Boot 2" APT FEB-175SC                                                    |                                       |             | 4       |
|             | 01       | 3                                                 | 3        | ~         | 100762           | Galv Union 2"                                                                  |                                       |             | -       |
| . <u> </u>  | 01       | 3                                                 | Nr.      |           | 100600           | Blk Nipple 4"x6"                                                               | · · · · · · · · · · · · · · · · · · · |             | -       |
|             | 01       | 3                                                 | 3        | ~         | 100953           | 3° Blk plug                                                                    | <u> </u>                              |             |         |
|             | 01       | 16                                                | 16       |           | 260378           | Flex hose 1 1/2"x18"x2" HoseMaster-Fireshield                                  |                                       |             | -       |
| <u> </u>    | 01       | 6                                                 | 6        |           | 100012           | 2" 90* Galv Elbow                                                              | <u> </u>                              |             | -       |
|             | 01       | 1                                                 | 1        |           | 260940           | Monitor manhole 18* OPW 104AOW-1800                                            |                                       |             |         |
|             | 01       | 3                                                 | <u></u>  | -         | 260622           | Extractor tee 3"x4" EBW 331-300-21                                             |                                       |             | -       |
|             | 01<br>01 | 3                                                 | 3        | -         | 260621           | Ball Float-3"x21" EBW 308-300-21                                               | l                                     | <u></u>     | _J .    |
|             | 01<br>01 | 3                                                 | 3        | -         | 240130           | Fill cap 4*         OPW 634TT-7085           Num: Cap 0*         Devect active | 1                                     |             | 7       |
|             | 01       | 1<br>3                                            | 3        |           | 260725           | Alum. Cap 8" Royer-Locking<br>Flex hose 2"x18"x2" HoseMaster-Fireshield        |                                       |             | -       |
|             | 01       |                                                   | 6        | <u> -</u> | 260388<br>250395 | Probe Cap 4"-MOR-305XPA-0200 AK                                                | ·····                                 |             | -       |
|             | 01       | 12                                                |          | <u> </u>  | 260700           | U-Shaped Crash Post 42"                                                        | L                                     |             | ·       |
|             | 01       | 6                                                 | 12       | -         | 260630           | Cont. Box quad APT-LMM3617-36                                                  |                                       |             | -1      |
| [           | 01       | 16                                                | 6        | -         | 100411           | Galv Nipple 1 1/2" x 11"                                                       | 1                                     |             | -{      |
|             | 01       | 3                                                 | 3        |           | 103030           | Blk Nipple 4"x36"                                                              |                                       |             | -       |
|             | 01       | 12                                                | 12       |           | 100500           | Galv Shoulder Nipple 2"X2 1/2"                                                 |                                       |             | -       |
|             | 01       | 3                                                 | 3        | ~         | 100636           |                                                                                | te a                                  |             | -       |
| <u>├</u> ── | 01       | 16                                                | 16       | -         | 240318           | Shear Valve OPW #10BFP-5726                                                    | in co                                 | 1           | 7       |
|             | 01       | 6                                                 | 1        | ~         | 260905           | Island Form 3' x 5'                                                            | <u></u>                               |             | -1      |
|             | 01       | 3                                                 | 6        | -         | 240230           | Brass extractor cap 4" MOR 578                                                 |                                       |             | -       |
|             | 01       | 3                                                 | 3        | <br>      | 260885           | Cont Well 5 Gal Grade Level EBW 400CSSPR                                       |                                       |             | 1       |
| r           | 01       | 3                                                 | 3        |           | 260886           | Cont Well 5 Gal Grade Level Adapter(EBW 400CSSPR                               | <u>}</u>                              | <del></del> | -       |
|             | 01       | 3                                                 | 3        | -         | 260335           | Manhole-18"-W/18" sleeve EBW 781-418-18STL                                     | ·                                     |             | 1       |
|             | 01       | 3                                                 | 3        | -         | 240267           | Ball valve 2" CSI-2" FULL PORT U/L BALL                                        | · · · · · · · · · · · · · · · · ·     |             | ]       |
|             | 01       | 3                                                 | 3        | -         | 230348           | Sub Pump-Fe Petro ISTR2-15                                                     |                                       |             | ]       |
|             | 01       |                                                   |          |           |                  | 4" X 48" Blk Nipple                                                            |                                       |             | ]       |
|             | 01       |                                                   |          |           |                  |                                                                                |                                       |             |         |
|             | 01       |                                                   | L        |           |                  |                                                                                |                                       |             |         |

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|--------|--------|-------------|----------|----------|-------------|----------------------------------------------------------------------------|-------------|-------------|-------|
| CASÉ   | YSF    | IELD SUF    | PORT     | J        |             | Work Order 2 8 2 4 2004                                                    |             | G STORE     |       |
| Store  |        | LEAVENV     |          |          | State KS#3  | Date Shipped                                                               | <b>_</b> `  |             |       |
| Date C | -      |             |          |          |             |                                                                            | <b>-</b>    | #2826       |       |
| Called | l In B | ······<br>/ |          | <u> </u> |             | Store # 3 9                                                                | Resale      |             |       |
| Pulled |        |             |          |          |             | Date Revised: 02/02                                                        | Page 4 of 2 | 4           |       |
| Check  | By     | - RZ        |          |          |             |                                                                            | -           |             |       |
| · 1    |        | - <u>J</u>  |          |          | ······      |                                                                            |             |             | т     |
|        | Trk    | Quantity    | Quantity |          | D-d March   | DRACE LOAD                                                                 | Unit Drive  | TOTAL       |       |
|        | No     | Ordered     | Shipped  | RO       | Part Number |                                                                            | Unit Price  | TOTAL       | -     |
|        | 01     | 3           | 2        |          | 260759      | Manhole-39" 114B                                                           |             |             | -     |
|        | 01     |             |          |          | 260756      | Manhole steeve-39" 114B<br>Inspection Tube 8" PVC-16' (IL requires 2) 114B |             |             | 4     |
|        | 01     | 1           |          | •••      | 102920      |                                                                            |             |             | -     |
|        | 01     | 1           |          |          | 102900      |                                                                            |             |             | ł     |
|        | 01     |             |          |          | 260940      | Manhole-Monitor-18"-Locking-OPW104A1800 114B                               |             |             |       |
| ·      | 01     |             | ·        |          | 260725      | B" Aluminum Locking Cap (IL requires 2) 114B                               |             | <del></del> | 4     |
|        | 01     | 1           |          |          | 102930      | B*PVC Solid Pipe-20' (KS. only) 114B                                       |             |             | -     |
|        | 01     | 1           |          | -        | 102910      | 8"PVC Coupler (KS. only) 114B                                              |             |             | -     |
|        | 01     | 1           |          | ~        | 620590      | Sign Base Cage (Not needed w / monument) 31B                               |             |             | -     |
|        | 01     | 6           | 6        | ~        | 620804      | Canopy Cage -4 bolt 16"center (All Canopies) 31B                           |             | <u> </u>    | 1     |
|        | 01     |             |          |          | 430220      | Bolt 3/4"x 30" Anchor - Ap. Light 114B                                     |             |             |       |
|        | 01     |             |          |          | 430225      | Approach Light Template (wood-8"CC) 114B                                   |             |             |       |
|        | 01     | 2           | d-       | _        | 260354      | 2" Vent Cap Marceso 354 1148                                               |             |             |       |
|        | 01     | 1           |          | ~        | 260373      | 3"Vent Cap EQ: 400-3" 114B                                                 |             | ~           |       |
|        | 01     |             |          |          |             | 4" Fill Adapter (bronze) 114B                                              |             |             |       |
|        | 01     | 3           | 3        | 1        | 260301      | 4"x15' Drop Tube Mor 419 114B                                              |             |             |       |
| ·      | 01     |             |          |          | 260303      | OPW 61SO4010 Drop Tube w/ Flapper 114B                                     |             |             |       |
|        | 01     | 3           | 3,       | ~        | 601340      | Master Lock #3LH 114B                                                      |             |             |       |
|        | 01     | 18          | 78       |          | 250615      | Wthrproof Conn. 3/4" (4 per tank+ 1 ea disp) 114B                          |             |             |       |
|        | 01     | 1B          | 14       | <u>-</u> | 250620      | Wihrproof Washer 3/4" (4 per tank + 1 ea disp) 114B                        |             |             | ļ     |
|        | 01     | 9           | 9        | **       | 250630      | Wthrproof Jct. Box (1 per tank+ 1 ea disp) 114B                            |             |             |       |
|        | 01     | 6           | 6        |          | 250610 st   | Wihrproof Conn. 3/8" 114B                                                  |             |             |       |
|        | 01     |             |          |          | 310214      | Piping Box (Brick Wall) 51B                                                |             |             |       |
|        | 01     | 1           |          | 1        | 310121      | Piping Box (Ribbed Metal Wall) 518                                         |             |             |       |
|        | 01     | 10          | 10       | ۲.       | 610850      | Bollards- 8" (Dumpster Enclosure) 51B                                      |             |             |       |
|        | 01     |             |          |          | 600824      | Detectable Warning Tile 24" x 24" Yellow 34B                               |             |             | ]     |
|        | 01     |             |          |          | 600825      | Detectable Warning Tile 24" x 36" Yellow 34B                               |             |             | }     |
|        | 01     | 7           | 7        | ł        | 600826      | Detectable Warning Tile 24" x 48" Yellow 34B                               |             |             | ]     |
|        | 01     | <b></b> .2  | 2.       |          | 600887      | Detectable Warning Tile 24" x 60" Yellow 34B                               |             |             |       |
|        | 01     | 3           | 3        | -        | 240285      | Extractor Test Plug 391-201-07 114B                                        |             |             | }     |
|        | 1      | 4           | 4        |          | 260629      | SBK-3 Stabilizer Bar Kit 114B                                              |             |             | ]     |

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|----------|------|-----------|-----------|--------------------------|-------------|--------------------------------------------|-------|
| LADET    | эг   | เตเม อบท  | FURI      | $\mathbf{r}$             | 16          | WUTK UTDEL ATTACIONE USTOKE                |       |
| Slore    |      | EAVEN     | wery(     | <u>୬</u>                 | State KS    | Date Shipped <u> </u>                      |       |
| Date Ca  | lled | 1n        |           | <u><u></u></u>           |             |                                            |       |
| Called I | n By | I <u></u> | <u></u>   | $\overline{\mathcal{N}}$ | ····        | Store # 3 9 Resale                         |       |
| Pulled E | 3y   | T-R_      |           | <u>\</u>                 | \           | - Date Revised: 09/08 Page 6 of 24         |       |
| Check I  | By . | -HL       |           |                          |             | _ 2824                                     |       |
| - T      | Trk  | Quantity  | Quantity  |                          |             |                                            | ]     |
| }.       | No   | Ordered   | Shipped   | BO                       | Part Number | FIRST LOAD Unit Price TOTAL                |       |
|          | 01   |           |           |                          |             | Outside Comer 62B                          |       |
|          | 01   | . 68      | 68        | -                        | 610410      | FRP Board 4x10 62B                         | ]     |
|          | 01   | 27        | 27        | -                        | 611723      | FRP BD. I/S Comer (2pc) 62B                | ] .   |
|          | 01   | 8         | 8         | -                        | 611648      | FRP BD. O/S Comer "F" 62B                  | 1     |
|          | 01   | 8         | B         | _                        | 611720      | FRP BD. O/S Corner (2pc) 62B               |       |
|          | 01   | 12        | 12        |                          | 610795      | FRP BD, Edging "J" 62B                     | 1     |
|          | 01   | 57        | 57        |                          | 611727      | FRP BD. Splice "T" 62B                     | ]     |
|          | 01   | 2         | 2         |                          | 611646      | FRP BD. Splice "H" 62B                     | 1     |
|          | 01   | 8         | 8         | ~                        | 610533      | Window 4040 w/transom 63B                  | 1     |
|          | 01   | 6         | 6         | -                        | 610534      | Window mullion - 48" w/gasket & screws 63B | 1     |
|          | 01   | 8         | 8         | -                        | 610431      | Vulkem Joint Caulking#116 Bronze 41B       | 1     |
|          | 01   | 18        | 16        | ~                        | 610439      | Vulkem Joint Caulking#116 Redwood 41B      | ]     |
|          | 01   | 100'      | 100       | -                        | 610436      | Backerod 1/2" (joint) 41B                  | ]     |
|          | 01   | 5         | 5         |                          | 610475      | Silcone-Sikaflex-Gray 51B                  | ]     |
|          | 01   |           |           |                          |             |                                            | ]     |
|          | 01   |           |           |                          |             |                                            | ]     |
|          | 01   | 2         | 2         | T                        | 611700      | Door-Service Side-Bronze 62B               | 1     |
|          | 01   |           |           |                          | <u></u>     |                                            | ]     |
|          | 01   |           | • <b></b> |                          | 610911      | Brick Solid 41B                            | 1     |
|          | 01   |           |           |                          |             |                                            | ]     |
|          | 01   |           |           |                          | 611795      | Door-Steel 3670 w/jamb 62B                 | ]     |
|          | 01   |           |           |                          |             |                                            | 1     |
|          | 01   | 4         | 4         |                          | 290401      | 3+0 ENCRE SEDS XXPOUSER                    | 1     |
|          | 01   |           |           | 1                        |             |                                            | 1     |
|          | 01   |           |           |                          |             |                                            | 1     |
|          | 01   |           |           |                          |             |                                            | 1     |
|          | 01   | 2         | 2         | -                        | 290402      | 3+1 Encine 5005 Dispension                 | ٦     |
|          | 01   |           |           | 1                        |             |                                            | 1     |
|          | 01   |           |           |                          | j           |                                            | 1     |
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| ∵Y'S F | TELD SUF                 | PORT<br>injuget                              | พ <sup>3</sup> | )<br>State KS                         | Work Order <u>2024   S</u><br>Date Shipped <u>4-2-03</u>    | -                | O STORE                               |
|--------|--------------------------|----------------------------------------------|----------------|---------------------------------------|-------------------------------------------------------------|------------------|---------------------------------------|
| Called | l In                     |                                              | <u> </u>       | ·                                     | ······································                      | <u> </u>         |                                       |
| d in B | · · · · <u>· · · · ·</u> | <u></u>                                      |                |                                       | Store # 3 3                                                 | Resale           |                                       |
| d By   |                          |                                              |                |                                       | Date Revised: 10/08                                         | Page 15 of       | 24                                    |
| k By   |                          |                                              |                |                                       | 2824                                                        | U                |                                       |
| -<br>- |                          |                                              |                |                                       | ·······                                                     | r                | r                                     |
|        | Quantity                 | Quantity                                     |                | <b>m</b> , 1.1 <i>r</i>               | Environ/Encore                                              |                  |                                       |
|        | Ordered                  |                                              | BO             | Part Number                           | FINAL LOAD                                                  | Unit Price       | TOTAL                                 |
| 01     | 12                       | 12_                                          |                | 280400                                | Unlead Nozzle Husky 159404-1+X 114E                         | L                |                                       |
| 01     | 16                       | 16                                           | · · ·          | 260688                                | Break Valve 3360 114                                        |                  |                                       |
| 01     | 16                       | 10                                           |                | 260689                                | Break Hose 124021 114                                       |                  |                                       |
| 01     | 16                       | 16                                           | -              | 260010                                | Swivel 3/4" x 3/4" HUS 0350-6 114                           | E                |                                       |
| 01     | 16                       | 16                                           |                | 260172                                | Hose 3/4" x 10' GODDYER HARDWALL 114                        | E                |                                       |
| 01     |                          |                                              |                | 290401                                | Glibarco Enc. #ENC500SNN1w/Crind (3+0) 114E                 |                  |                                       |
| 01     |                          |                                              |                |                                       | Glibarco Enc. #ENC500SNL1w/Crind (3+1) 114E                 |                  |                                       |
| 01     | le le                    | 6                                            |                | 290409                                | Gilbarco Enc Dispenser Canopy 114E                          |                  |                                       |
| 01     | 4                        | 4                                            |                | 240051                                | Diesel Low Flow Nozzle 11A - 0100 114E                      |                  |                                       |
| 01     | 4                        | 4                                            |                | 260679                                | Diesel Filter 400-30 GmmEL 114E                             |                  | · · · · · · · · · · · · · · · · · · · |
| 01     | 12                       | 12                                           |                | 290695                                | Gilbarco Gas Filter 40-10 CLINTER 114E                      |                  |                                       |
| 01     | 16                       | 16                                           |                | 100761                                | 1 1/2" Union #250 114E                                      | L                |                                       |
| 01     | 12                       | 12                                           |                | 290587                                |                                                             | \$.01 each       |                                       |
| 01     |                          |                                              |                |                                       | Galv Nipple 1 1/2" x 11" 122B                               |                  |                                       |
| 01     |                          | -0                                           | 7              | 402500                                | Siren (Large-for canopy) 114E                               | h                |                                       |
| 01     | 1                        | ]                                            | <u> </u>       | 402501                                | Siren (Small-for building) 114E                             |                  |                                       |
| 01     |                          |                                              |                | · · · · · · · · · · · · · · · · · · · |                                                             |                  |                                       |
| 01     |                          |                                              |                | · · · · ·                             |                                                             | r                |                                       |
| 01     |                          |                                              | <u> </u>       |                                       | Vapor Vacuum Assist System                                  |                  |                                       |
| 01     |                          | <u> </u>                                     |                | 260772                                | Nozzle(Assist) Hus#va4 114E                                 |                  |                                       |
| 01     | · · · ·                  |                                              |                | 260744                                | Break Valve(Assist) #56CAS-0300 114E                        |                  |                                       |
| 01     |                          | <u>.                                    </u> |                | 260743                                |                                                             | •                |                                       |
| 01     |                          |                                              |                | 260743                                | Gas Hose(Assist) #9'5' X 7/8 114E                           | <u> </u> ]       | parter                                |
| 01     |                          |                                              |                | 200142                                |                                                             | 7. 01            | h line                                |
| 01     | <u> </u>                 |                                              |                |                                       | Vanas Dalaras D                                             | All and and have |                                       |
| 01     |                          |                                              |                | 760775                                | Vapor Balance System //<br>Nozzle (Balance) Hus-5010-4 114E |                  |                                       |
|        |                          |                                              |                | 260775                                |                                                             |                  |                                       |
| 01     |                          |                                              | <b></b> _      | 260733                                | Break Valve(Balance) #OP86CL 114E                           |                  |                                       |
| 01     |                          |                                              |                | 260740                                | Break Hose(Balance)#MP 6/8" x 12" GDY 114E                  | []               |                                       |
| 01     | <u> </u>                 |                                              |                | 260791                                | Hose(Balance) #MPP 5/8" x 7 1/2' GDY 114E                   |                  |                                       |

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|-------------------------|-----------|---------------------------------------|-----|------------------|--------------------------------------------------|------------------------------|--------------|-----------|
| CASETS                  | FIELD SUP | PORT                                  | Ä   | 1-               | Work Order <u>2024007</u>                        |                              | -            | G STORE   |
| Store                   | LEAU      | ENVORT                                | NCO | State <u> Cs</u> | Date Shipped 2-19-09                             |                              | · .          |           |
| Date <sup>°</sup> Calle | ed In     |                                       |     |                  |                                                  |                              | · ·          |           |
| Called In               | Зу        |                                       |     |                  | Store #                                          | ·····                        | Resale       | • • • •   |
| Pulled By               | -St       |                                       |     | 177              | Date Revised: 11/08                              | <sup>*</sup> *               | Page 9 of 24 | 4         |
|                         | T.P       |                                       |     |                  | 2824                                             | 2' /                         |              |           |
| Tri                     | Quantity  | Quantity                              |     |                  |                                                  |                              |              |           |
| No                      | Ordered   | Shipped                               | BO  | Part Number      | FIRST LOAD                                       |                              | Unit Price   | TOTAL     |
| 01                      | 2         | 2                                     |     | 601280           | Emergency Exit Sign-LED-Battery Backup 12        | 2B                           |              |           |
| 01                      | . 1       |                                       |     | 601270           | Emergency Combo Exit Sign LED 12                 | 22B                          |              |           |
| 01                      | 2         | 2                                     | ~   | 601271           | Emergency Light-Battery Backup 1                 | 228                          |              |           |
| 01                      | 6         | 6                                     | 1   | 401221           | Relay Box - Large(12"x18"x4")                    | 114B                         |              |           |
| 01                      | 2         | 2                                     |     | 310500           | Contactor-Pizza .                                | 122B                         |              |           |
| 01                      | 1         |                                       |     | 310501           | Contactor-T IoIn Fryer                           | 122B                         |              |           |
| 01                      | 2         | 2                                     | _   | 310502           | Contactor-Donut                                  | 122B                         |              |           |
| 01                      | 3         | 3                                     |     | 400075           | ITE Disconnect                                   | 122B                         | · · ·        |           |
| 01                      | 1         | <u> </u>                              |     | 270565           | Decal-'Exit Light Relay Box                      | 1228                         |              |           |
| 01                      | . 1       | 1                                     |     | 270575           | Decal-Fire Ext. Relay Box                        | 122B                         |              |           |
| 01                      | 1         | 1                                     |     | 270570           | Decal-Tank/Line Monitoring Box                   | 114B                         |              |           |
| 0                       | 1         | 1                                     | -   | 270580           | Decal-Pump Relay Jct. Box                        | 114B                         |              |           |
| 0                       | 1         |                                       |     | 230300           | Veeder Root TLS-350 Monitor                      | 114B                         | 8482         | 90-022    |
| 0                       | 3         | 3                                     | -   | 230306           | Veeder Root TLS-350 Probe                        | 114B                         |              | 390-109   |
| 0                       | 2         | 2                                     | -   | 230315           | Veeder Root TLS-350 Install/Float kit-Gas        | 114B                         | 8464         |           |
| 0                       | 3         | 3                                     | -   | 230320           | Veeder Root TLS-350 PLLD Kit                     | 114B                         |              | 100-001   |
| 0                       | 1         | 1                                     | X   | 230305           | CSLD. Software                                   | 114B                         |              | 0-002     |
| 0                       | 1 1       | 1                                     |     | 230271           | Veeder Root TLS-350 Install/Float kit-Diesel 1   | 14B                          | 84640        | 0011      |
| 0                       | 2         | 2                                     | 5   | 230455           | Interstitial Sensor-UGST-Non Discriminating 11   | 4B                           | 79439        |           |
| 0                       | 3         | 3                                     |     | 230349           | VFC Cantroller FE PErro                          | 1148                         |              | fr. fr. f |
| 0                       | 1 1       | 1                                     |     | 230308           | Veeder Root TLS-350 Module                       | 114B                         | 3293         | 58-001    |
| 0                       | 1         | 1                                     | 1   | 230309           | Veeder Root TLS-350 Expansion Module 114         | 3                            |              | ·         |
| 0                       | 9         | 9                                     | 1   | 230302           | *                                                | 4B                           | 39429        | 30-208    |
| 0                       |           | 11                                    | -   | 230303           | Smp Sensor Install Kit-Per Tank or Dispenser     | 114B                         | 33002        | 0-012     |
| 10                      | P         | · · · · · · · · · · · · · · · · · · · |     |                  | Light Manager-3 Island                           | 122B                         |              |           |
| 0                       | _ <u></u> |                                       | 1   | 1000000          |                                                  | and the second second second |              |           |
|                         |           |                                       | -   |                  | Light Manager-4 Island                           | 1 <b>22</b> B                |              | , ,       |
| 0                       |           |                                       |     | 430806           | Light Manager-4 Island<br>Light Manager-6 Island | 122B<br>122B                 |              |           |
| 0,                      |           | 1                                     |     | 430806           | Light Manager-6 Island                           |                              |              |           |
| 0,<br>0,<br>0,          |           | 1                                     |     | f                |                                                  | 122B                         |              |           |

ssing - Canary Driver's Copy - Pink Job Copy - Goldenrod

Job Site Signature .

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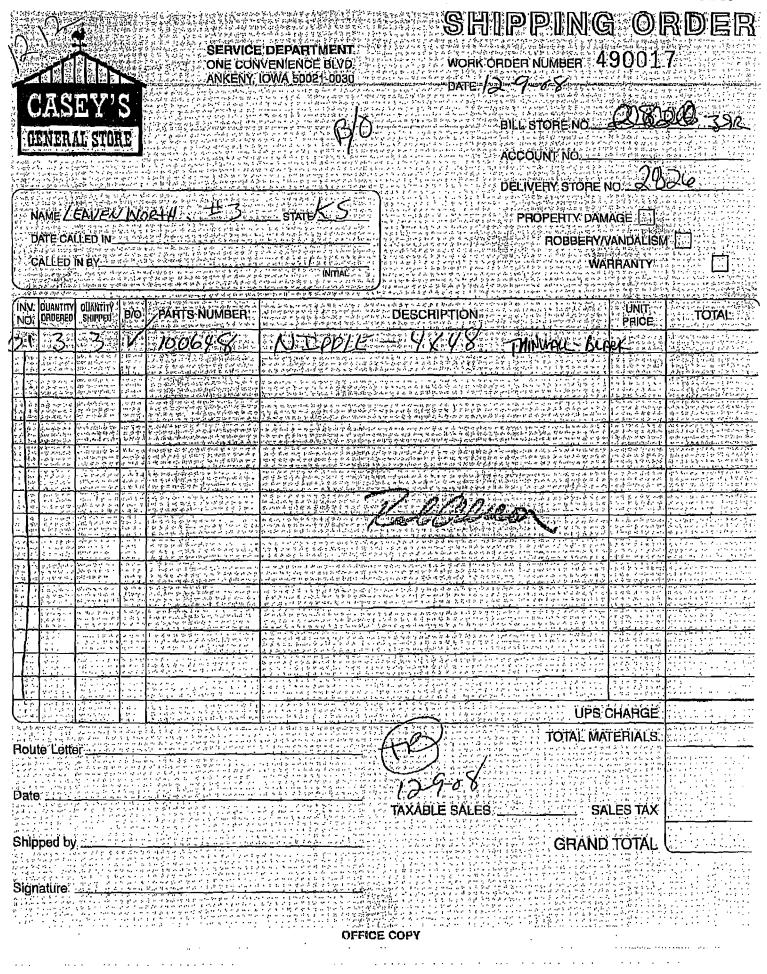
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SENECA COMPANIES KC

PAGE 08/10



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| 0.     | P.                   |                    |               |                    |                    |               |                  |        |            |  |  |
|--------|----------------------|--------------------|---------------|--------------------|--------------------|---------------|------------------|--------|------------|--|--|
| 7/13   | 14:59                | ESTIMATION SUMMARY | EDH-0430      |                    | EQUIPMENT          |               | Total GP%        |        |            |  |  |
| TX \$T | : KS: 7.300          |                    | _,            |                    |                    | FREIGHT       |                  |        |            |  |  |
| Cust # | 1                    |                    | JOB TYPE:     | A40                |                    | INSTALL       |                  |        |            |  |  |
| CUST   | Casey's Relall Compa | nies               | SHIP TO:      |                    |                    | <b>\$</b>     | Inst Sales Tx \$ |        |            |  |  |
|        | One Convenience biv  | j l                | Casey's Gene  | ral Store #        | # Store # TOTAL    |               |                  |        | Total Cost |  |  |
|        | Ankeny, IA 50021-804 | 5                  | 2100 south 41 | h street EQUIP COS |                    |               |                  |        |            |  |  |
|        |                      |                    | Leavenworth,  | KS 66048           |                    | INSTALL COST  |                  |        |            |  |  |
|        | Galen Karas          |                    |               |                    |                    | \$ PROF/Equip |                  |        |            |  |  |
|        | Casey's Retail Compa |                    |               |                    |                    | % PROF/Equip  |                  |        |            |  |  |
|        | New O-Style Slore O  |                    | % PROF/Instal |                    |                    |               |                  |        |            |  |  |
| Regist | ration#              |                    | LUST #        |                    |                    |               |                  |        |            |  |  |
| άτγ    | MU                   | DESCRIPTION        | UNIT COST     | USE TAX            | TOTAL UNIT<br>COST | UNIT SELL     | UNIT PROFIT      | PROFIT | TOTAL      |  |  |

## **Piping Materials**

| Ameron | FIB-2" BELL X MALE             |
|--------|--------------------------------|
| Ameron | FIB2" FIBERGLASS PIPE          |
| Ameron | FIB 2" 45 ELBOW 1 PIECE        |
|        | FIB 2"FIBERGLASS SLEEVE        |
| Ameron | COUPLING                       |
|        | FIB 2" FIBERGLASS 90 ELOBWS    |
| Ameron |                                |
| Ameron | 3" FIBERGLASS PIPE             |
|        | FIB-BOSTIC                     |
| Ameron | 3" FIBERGLASS ELBOW 1 PIECE    |
|        | 3" FIBERGLASS 45 ELBOW 1 PIECE |
| Ameron |                                |
| Ameron | 3" FIBERGLASS COUPLING         |
| Ameron | 2" BELL X FEMALE               |
| Ameron | FIB-2" BELL X FEMALE           |
| Ameron | FIB-GLUE KIT 6-PACK            |
|        | APT 1.75-SC- DOUBLEWALL FLEX   |
| APT    | PIPE                           |
|        | APT 1.75 X 2" MALE SWIVELS     |
| APT    | FITTINGS                       |
| APT    | APT TEST BOOT SBT-175          |
| APT    | APT BY PASS TUBE               |
| APT    | APT REGULATOR KITS             |
|        |                                |

#### SENECA COMPANIES KC

| ò     | APT Installation Checklist                                                         | & Warranty Start-up Form                                                                                                         |
|-------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|       | Site Owner:                                                                        | Installation Contractor: Seveca CO.                                                                                              |
|       | Site Address: 2100 South 4 = Street                                                | Address: 13915 Century LANE                                                                                                      |
| ŕ     | Site Phone Number:                                                                 | City Case bar a State of A Time                                                                                                  |
| Ľ     | City: Leavenworth State: KS Zip: 66048                                             | Telephone:                                                                                                                       |
| • • • |                                                                                    |                                                                                                                                  |
|       | Owner/Operator:                                                                    | Distributor: Seneca Companies                                                                                                    |
|       | Installation Completion Date: <u>3-4-09</u>                                        | V                                                                                                                                |
|       | 0 Complete Fuel Transfer & Containment System utilizes all                         | APT Products                                                                                                                     |
|       | Pre-Installation Check:                                                            | Fittings:                                                                                                                        |
|       | Installer has copy of Installation Guide                                           | Diamshell                                                                                                                        |
| •     | Installer has visually inspected all materials                                     | Swage                                                                                                                            |
|       | for shipping and storage damage                                                    | Piping:                                                                                                                          |
|       | Tap/k Information:                                                                 | Total footage installed at this site: 496<br>Flexpipe Model #: XP-175 Date Code: 1-15-08                                         |
|       | V New Tanks                                                                        | Flexpipe Model #: XP-175 Date Code: J-15-08                                                                                      |
|       | UST Manufacturer:                                                                  |                                                                                                                                  |
|       | CONTAINMENT SOLICTIONS                                                             | Pripary Piping:                                                                                                                  |
|       | Tank Installation Information:                                                     | Fittings installed properly with clamps tightened                                                                                |
|       | Deadman Anchoring                                                                  | All 45 degree, 90 degree, elbows and T's rated at                                                                                |
|       | Tank Tie-Down Slab                                                                 | X50 LB schedule 40 or greater                                                                                                    |
|       |                                                                                    | Primary pipe tested (not to exceed 100 PSI)                                                                                      |
|       | Tank Excavation Information:                                                       | All metal fittings installed in accessible sumps                                                                                 |
|       | <ul> <li>High Water</li> <li>Has site ever been Contaminated/Remediated</li> </ul> | Secondary Containment:                                                                                                           |
|       |                                                                                    | Scuff guard cut outside of sump wall                                                                                             |
|       | Treaching:                                                                         | B Secondary containment jacket has been stripped                                                                                 |
|       | 至 Excavation depth allows for 4" bedding                                           | loproper length                                                                                                                  |
|       | Bedding installed, graded, and has proper slope                                    | All secondary containment air test boots properly installed                                                                      |
|       | Width is sufficient to accomidate all runs of<br>pipe with proper spacing          | E Secondary containment air test performed between<br>5-8 PSI                                                                    |
|       | Minimum pipe burial depth verified                                                 |                                                                                                                                  |
|       | Direction changes wide enough to accomidate                                        | Ducting:                                                                                                                         |
|       | proper bend radii                                                                  | Ducting installed                                                                                                                |
|       | - · · · · · · · · · · · · · · · · · · ·                                            | Ducting air test performed at 3 PSI                                                                                              |
|       | Bedding and Backfill:  Clean sand                                                  | Installation Procedures:                                                                                                         |
|       |                                                                                    | 凹 All piping runs installed with proper spacing                                                                                  |
|       | Crushed stone (1/8" to 3/4")                                                       |                                                                                                                                  |
|       |                                                                                    | Final Inspection;                                                                                                                |
|       | Tank Sumps, Dispenser Sumps, Intermediate Sumps, Etc.:                             | <ul> <li>Air relieved from secondary containment jacket</li> <li>Secondary air test boots loosened to allow free flow</li> </ul> |
|       | Tank sumps mounted to tanks using approved method APT Tank Sump: <u>N/A</u>        | <ul> <li>Secondary air test boots loosened to allow free flow</li> <li>Air relieved from primary lines</li> </ul>                |
|       | Model #;                                                                           | Back filled to grade with finish surface installed                                                                               |
|       | APT Dispenser Sump:<br>Model #: BM_3600                                            |                                                                                                                                  |
|       | Model #:                                                                           | Site Completion:                                                                                                                 |
|       |                                                                                    | Total inches over pipes <u>24</u>                                                                                                |
|       | APT Factory Certified Installer                                                    | Asphalt                                                                                                                          |
|       | Print Name: HERB WELCH                                                             | Total inches over pipes                                                                                                          |
|       | Signature: Aler Welch                                                              |                                                                                                                                  |
|       | As owner/operator I have read and comprehend the APT war                           | ranty document FFS-0012.                                                                                                         |
|       | Print Name:                                                                        |                                                                                                                                  |
|       | Signature: Date:                                                                   |                                                                                                                                  |
|       | ,                                                                                  | Franklin Fueling Systems                                                                                                         |
| ~     | This form must be properly completed, signed and returned to FFS                   | www.franklinfueling.com                                                                                                          |
|       | no later than 60 days after the installation of the APT products.                  | 3760 Marsh Road • Madison, WI 53718, U.S.A.                                                                                      |
|       | 62007 E 8388 Por 2                                                                 | Tel: +1 608 038 8786 = Fax: +1 608 838 6433<br>Tel: USA & Canada 1 800 225 9787 = Tel: México 001 800 738 7610                   |
|       | ©2007 F-8388 Rev. 2                                                                | 161, 491, 4 201040 - 080 MES 8101 - 1611 MINUE 441 044 044 189 1914                                                              |

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BRANCH ADDRESS

13915 Century Lane Grandvlew, MO 64030 Phone: 816-761-1270 Toll-Free: 866-961-1270 Fax: 816-761-8351

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Des Moines, Iowa P.O. Box 3360 Des Moines, Iowa 50313-0360 Toll-Free: 800-369-5500

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|---------------------------------------|------------------------------|--|--|--|--|
|                                       |                              |  |  |  |  |
| FACSIMILE TRAN                        | SMITTAL COVER PAGE           |  |  |  |  |
| TO: MARCUS MEERIAN                    | FROM: GREG GILL              |  |  |  |  |
| COMPANY: KDHE-BER                     | DATE: 7-13-09                |  |  |  |  |
| Fax Number: 785-296-6190              | TOTAL PAGES (WITH COVER): 10 |  |  |  |  |
| PHONE NUMBER:                         | Senders Phone Number:        |  |  |  |  |
| RE:<br>CASEY'S LEAVEN WORTH           | Senders Fax Number:          |  |  |  |  |
|                                       | PLEASE COMMENT  PLEASE REPLY |  |  |  |  |

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| PHONE NUMBER:                | Senders Phone Number:       |
| RE: LEAVENWORTH              | Senders Fax Number:         |
|                              |                             |
| NOTES/COMMENTS: PARTS LIST C | Comme Next Fax.             |

 Other Branch Locations

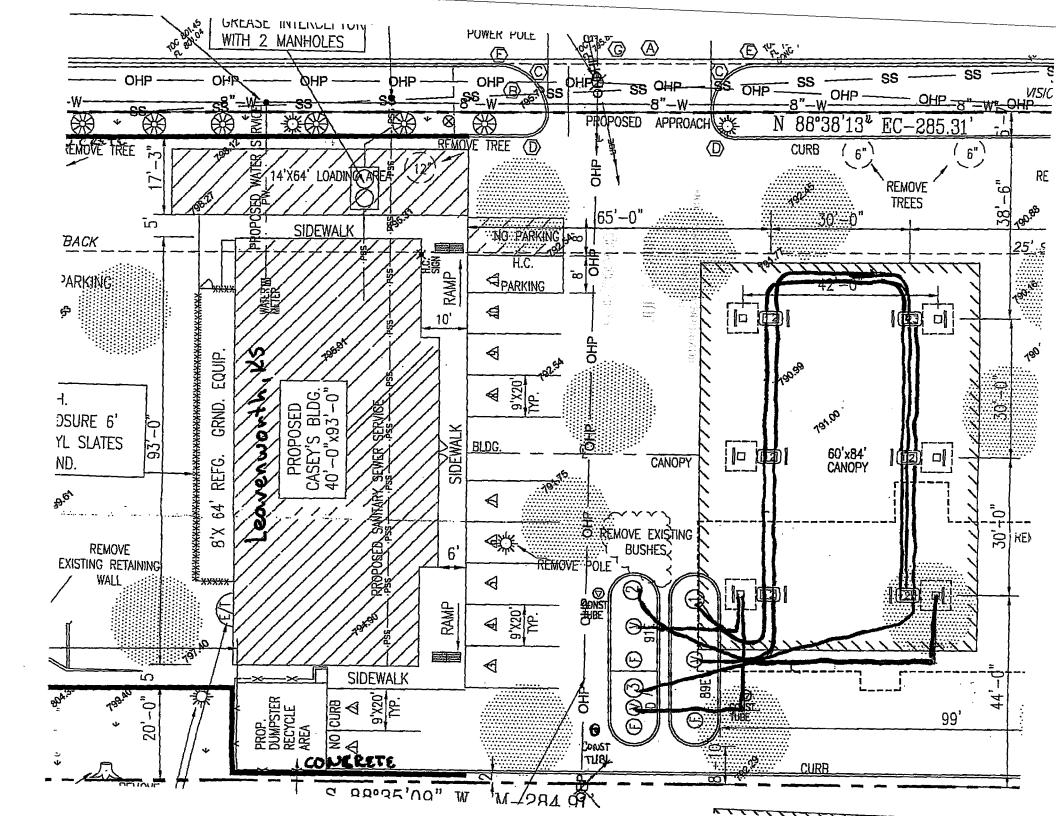
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| Bank of America                                                                                                 | a Advantage                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| CARRI M. GILL<br>GREG R. GILL                                                                                   | 3600                                                                                                           |
| 913-685-2712<br>6240 W. 156TH ST.                                                                               | 18-3/1010 MQ<br>Date 7-13-2009 2515                                                                            |
| OVERLAND PARK, KS 66223-3621                                                                                    | Date 7 12 COV                                                                                                  |
| Pay KD HE                                                                                                       | \$ 60.00                                                                                                       |
| SIXTY F 00100                                                                                                   | Dollars - A Burn Barn                                                                                          |
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DEPARTMENT OF HEALTH AND ENVIRONMENT

Division of Environment

**DATE: July 13, 2009** 

**TO: Jill Reams-Widder** 

**FROM: Marcus Meerian** 

NUMBER OF PAGES (INCLUDING COVER SHEET): 2

**RE:** Approved Temporary Permit

Notes: Casey's General Store #2826 Fac. Id 30435

**DIVISION OF ENVIRONMENT** Bureau of Environmental Remediation CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 410, TOPEKA, KS 66612-1367 Toll Free 1-877-221-0325

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Kathleen Sebelius, Governor Roderick L. Bremby, Secretary

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|     | ************************************** |                        |                        |              |          |  |  |  |  |
|-----|----------------------------------------|------------------------|------------------------|--------------|----------|--|--|--|--|
| D C | Mode = Mem                             | ORY TRANSMISSI         | ION START=JUL-13 16:50 | END=JUL-13 ∶ | 16:51    |  |  |  |  |
|     | FILE NO.                               | =309                   |                        |              |          |  |  |  |  |
| 12  | STN COMM.<br>NO.                       | ONE-TOUCH/<br>ABBR NO. | STATION NAME/TEL NO.   | PAGES        | DURATION |  |  |  |  |
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DEPARTMENT OF HEALTH AND ENVIRONMENT Division of Environment Kathleen Sebelius, Governor Roderick L. Bremby, Secretary

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DATE: July 13, 2009

TO: Jill Reams-Widder

FROM: Marcus Meerian

NUMBER OF PAGES (INCLUDING COVER SHEET): 2

**RE: Approved Temporary Permit** 

Notes: Casey's General Store #2826 Fac. Id 30435

| <sup>10/18</sup> UST011                                                                                                                                                                      | KDH              | IE Reference No.:                                               | Owner ID: 0688 | ۲<br>Facility ID                   | 30435             |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------|----------------|------------------------------------|-------------------|--|--|--|
| Underground Storage Tank System<br>Tightness Test and Function Check                                                                                                                         |                  |                                                                 |                |                                    |                   |  |  |  |
| Submit to: Kansas Departmer<br>Bureau of Environ<br>Storage Tank Secti<br>1000 SW Jackson,<br>Topeka, KS 66612-<br>Please Print Clearly or Type<br>Facility Information<br>A. Facility Name: | 78<br>60         | Tester ID_I_I274<br>Company ID_COS78<br>Signature<br>IDN 032899 |                |                                    |                   |  |  |  |
| B. Facility Address: <u>2100 S. 4th Leavenwork KS (26018</u><br>C. Contact Person: <u>Tih Recons Wielder</u> Phone: ()                                                                       |                  |                                                                 |                |                                    |                   |  |  |  |
| C. Contact Person: <u>Uih Keems Uiclder</u> Phone: ()<br>Tank Tightness Test Method:Leak Threshold:                                                                                          |                  |                                                                 |                |                                    |                   |  |  |  |
| KDHE Tank Number                                                                                                                                                                             | 1                | 1                                                               |                |                                    |                   |  |  |  |
| · · · · · · · · · · · · · · · · · · ·                                                                                                                                                        |                  |                                                                 |                |                                    |                   |  |  |  |
| Total Capacity (gals)                                                                                                                                                                        |                  |                                                                 |                |                                    |                   |  |  |  |
| Capacity during Test (gals)                                                                                                                                                                  |                  |                                                                 |                | RECE                               | VED               |  |  |  |
| Tank Tightness Test<br>(Pass / Fail)                                                                                                                                                         |                  |                                                                 |                | JUN 04                             |                   |  |  |  |
| Leak rate                                                                                                                                                                                    |                  |                                                                 |                | BUREAU<br>ENVIRONMENTAL            | OF<br>REMEDIATION |  |  |  |
| 3 <sup>rd</sup> Party Certification met                                                                                                                                                      | YesNo            | YesNo                                                           | YesNo          | YesNo                              | YesNo             |  |  |  |
| Line Tightness Test Method:<br>MLD/ALM Function Check Te                                                                                                                                     |                  | < 1000 LO                                                       | factor         | Leak Threshold:<br>Leak Threshold: | 0                 |  |  |  |
|                                                                                                                                                                                              | unc'             | Pren                                                            | Diese 1        |                                    | -A-               |  |  |  |
| KDHE Line Number                                                                                                                                                                             | 'O <sub>01</sub> | 002                                                             | 003            |                                    |                   |  |  |  |
| Dispenser type:<br>Safe/Conventional/Pressure                                                                                                                                                | Pressure         | PRESSUR                                                         | Pessue         |                                    |                   |  |  |  |
| Mech. Leak Det. or<br>Auto. Line Mon. Model:                                                                                                                                                 | UR Pus           | inpho                                                           | VRPLOS         |                                    |                   |  |  |  |
| MLD or ALM Function Check<br>(Pass / Fail)                                                                                                                                                   | PGS,             | PGG,                                                            | 26.51          |                                    |                   |  |  |  |
| Line Tightness Test<br>(Pass / Fail)                                                                                                                                                         |                  | \<br>                                                           | Y              |                                    |                   |  |  |  |
| Leak rate                                                                                                                                                                                    |                  |                                                                 |                |                                    |                   |  |  |  |

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No

Yes\_

Contact KDHE at (785) 296-1678 within-24 hours if (1) tank fails tightness test or (2) line fails tightness test or (3) MLD/ALM fails function check.

Yes

No

4

3rd Party Certification met

All supporting documents are to be submitted with this form. Failure to submit supporting documents, will result in a delay in accepting test results. NOTE: UST SYSTEM OWNER/OPERATOR ARE REQUIRED TO MAINTAIN A COPY OF THIS FORM FOR ONE (1) YEAR.

Yes

No.

\_No

Yes<u>.</u>

#### TSC 1000 Leak Detector Tester DATA COLLECTION AND REPORT FORM

| Facility Add                              | ress: <u>2</u>  | eyi # 21<br>100 5 41                          | - Lea                | Uen U                      | orth f               | 55 6                  | 604               |
|-------------------------------------------|-----------------|-----------------------------------------------|----------------------|----------------------------|----------------------|-----------------------|-------------------|
| racility Phon                             |                 |                                               | Fest Date:           | 6-3-                       | 2019                 |                       |                   |
| Fest Contrac<br>Address:<br>Contractor P. |                 | Haselwood<br>504 Apple<br>Manhatta<br>785-630 | <u>ewood</u><br>KS   | 1 Dr<br>3650               | 3                    |                       |                   |
| Product                                   |                 | Serial<br>Number                              | Idne<br>PSI          | Seating<br>PSI             | Slow<br>Flow         | Flow<br>Rate          | Pass              |
|                                           | Model           |                                               |                      |                            | PSI                  | at 10 PSI             | Fail              |
| Unc                                       | Model<br>UR-RCO |                                               | 38                   | 21                         | Shur                 | at 10 PSI             | 1                 |
| Unc<br>Aren.                              | URACO           |                                               | 28                   | 21                         |                      | at 10 PSI             | Fail              |
| Acr.                                      | URACO           |                                               | 28<br>29<br>28       | 21<br>21<br>21             | Shur<br>Shur<br>Shut | at 10 PSI<br>3<br>+16 | Fail<br>AGI<br>Po |
| Aren.<br>Diesos                           | UR-plus         |                                               | 28<br>29<br>28<br>29 | 21<br>21<br>21<br>21<br>21 | Star Shar            | 3                     | Fail              |

Test Signature: orden (Surd Technician: 11:00 014 lurad air, the testad 5. Comments:\_\_\_ C.ł

| CAREVY: CROS         PRESSURE LINE LEAK ALARM<br>9 LLD SHUTDER<br>DILL |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PRESSURE LINE LEAK ALARM<br>Q I:UNLEAD LINE<br>GROSS LINE FAIL<br>JUN 3, 2019 10:50 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PRESSURE LINE LEAK ALARM<br>G 2:PREM LINE<br>GROSS LINE FAIL<br>JUN 3. 2019 10:46 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PRESSURE LINE LEAK ALARM<br>G 3:DIESEL LINE<br>GROSS LINE FAIL<br>JUN 3, 2019 10:21 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2100 SO. 4TH<br>Leavenjørth K3<br>Jun 3. 2019 S:41 Am<br>System Status Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Q I:UNLEAD LINE<br>PLLD SHUTDOWN ALARM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | G 2:PREM LINE<br>DATE SHUTDOLIN ALARM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ø 3:DIESEL LINE<br>PLLD SHUTDOWN ALARM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PON PI P2 PON PI P2 NO TEST DATA AVAILABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | INVENTORY REPORT<br>T I: UNLEADED<br>VOLUME = 9015 CALS<br>ULLACE = 10936 CALS<br>90% ULLACE = 8940 CALS<br>TC VOLUME = 9013 CALS<br>HEICHT = 55.32 INCHES<br>WATER VOL = 0 CALS<br>WATER VOL = 0 CALS<br>ULLATE = 0.00 INCHES<br>TEMP = 60.3 DEC F<br>T 2: PREMIUM<br>VOLUME = 3925 CALS<br>ULLATE = 7948 CALS<br>90% ULLACE = 6760 CALS<br>90% ULLACE = 6760 CALS<br>TC VOLUME = 3922 CALS<br>HEICHT = 44.45 INCHES<br>HEICHT = 44.45 INCHES<br>TEMP = 0.00 INCHES<br>TIMP = 0.00 INCHES<br>TIMP = 0.00 INCHES<br>TIMP = 4684 CALS<br>00% ULLACE = 4684 CALS<br>10LATER = 3847 CALS<br>01% ULLACE = 4684 CALS<br>10LATER = 3847 CALS<br>10LATER = 0.00 INCHES<br>HEICHT = 64.33 INCHES | JUN 3. 2019 10:56 AM<br>@ I:UNLEAD LINE<br>3.0 TEST PASSES<br>PON P1 P2<br>JUN 3. 2019 10:55 AM<br>49.7 22.0 21.5<br>JUN 3. 2019 10:37 AM<br>31.0 21.8 21.8<br>JUN 3. 2019 10:30 AM<br>30.1 21.7 21.8<br>JUN 3. 2019 10:23 AM<br>39.9 21.9 21.7<br>JUN 3. 2019 10:23 AM<br>39.9 21.9 21.7<br>JUN 3. 2019 10:50 AM<br>29.9 21.7 21.8<br>3.0 TEST FAILS<br>PON P1 P2<br>JUN 3. 2019 10:50 AM<br>37.3 14.3 9.9<br>MAR 14. 2019 11:41 AM<br>38.6 17.4 11.3<br>MAR 15. 2017 9:34 AM<br>40.0 19.6 8.7<br>MAR 10. 2015 10:02 AM<br>34.0 17.7 11.4<br>MAR 17. 2015 2:22 AM<br>37.2 19.4 8.6<br>3.0 HI PRESEDURE INCNTS | 004       3. 2019       10:56 AM         0. 2:PREM LINE       3.0 TEST PASSES         PON       P1       P2         JUN       3. 2019       10:56 AM         50.2       22.8       21.9         JUN       3. 2019       10:22 AM         30.7       22.6       22.3         JUN       3. 2019       9:30 AM         30.8       22.6       22.3         JUN       3. 2019       9:30 AM         30.8       22.6       22.3         JUN       3. 2019       9:30 AM         30.8       22.6       22.3         JUN       3. 2019       9:30 AM         30.4       22.8       22.2         JUN       3. 2019       9:56 AM         30.4       22.6       22.3         JUN       3. 2019       9:56 AM         30.4       22.8       22.3         JUN       3. 2019       10:46 AM         30.4       22.2       10.3         MAR 30.       2019       6:26 FM         1.5       5.8       5.9         MAR 30.       201111:46 AM         32.8       19.2       6.4         < | JUN       3, 2019       10:29 AM         G 3:DIESEL LINE       3.0 TEST PASSES         PON       P1       P2         JUN       3, 2019       10:29 AM         43.3       26.6       25.6         JUN       3, 2019       10:19 AM         43.3       26.6       25.6         JUN       3, 2019       10:16 AM         29.6       25.1       25.2         JUN       3, 2019       10:09 AM         29.1       25.8       25.7         JUN       3, 2019       9:55 AM         28.1       18.4       16.6         JUN       3, 2019       9:55 AM         28.1       18.4       16.6         JUN       3, 2019       9:47 AM         44.1       26.8       21.9         3.0       TEST FAILS         PON       P1       P2         JUN       3, 2019       9:07 AM         35.3       12.2       11.1         MAR       14.2018       11:15 AM         39.7       24.0       12.0         MAR       16.2017       9:14 AM         39.5       23.1       11.6         MA |

|                                                                                   |                                                                                                                | L 2:DISP 3 4<br>DISPENSER PAN<br>FUEL ALARM                                           | L 1:DISP 1 2<br>DISPENSER PAN                                                              |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| LÍQUID DIAGNOSTIC                                                                 |                                                                                                                | JUN 3, 2019 12:08 PM                                                                  | FUEL ALARM<br>J JUN 3, 2019 12:08 PM                                                       |
| L 1:DISP 1 2<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1= 101832   | L 9:DIESEL SUMP<br>SAMPLES= 5<br>LOW REF1= 164<br>HIGH REF1= 983<br>VALUE1= 101908<br>L10:PREMDIESEL INTERSTIC |                                                                                       | L. 8: PREM SUMP<br>STP SUMP                                                                |
| L 2:DISP 3 4<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1= 101942   | SAMPLES= 5<br>LOW REF1= 164<br>HIGH REF1= 983<br>VALUE1= 0                                                     | SENSOR ALARM<br>L 3:DISP 5 6<br>DISPENSER PAN<br>FUEL ALARM<br>JUN 3. 2019 12:09 PM   | FUEL ALARM<br>JUN 3. 2019 11:15 AM<br>JUN 5. 2019 ALARM<br>L 9:DIESEL SUMP                 |
| L 3:DISP 5 6<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1= 101572   | L11:UNLE INTERSTICE<br>SAMPLES= 5<br>LOW REF1= 164<br>HIGH REF1= 983<br>VALUE1= 0                              |                                                                                       | STP SUMP<br>FUEL ALARM<br>JUN 3, 2019 11:22 AM                                             |
| L 4:DISP 11 12<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1= 100020 | L12:<br>SAMPLES= 5<br>LOW REF1= 164<br>HIGH REF1= 983<br>VALUE1=999999680                                      | SENSOR ALARM<br>L 6:DISP 11 12<br>DISPENSER PAN<br>FUEL ALARM<br>JUN 3, 2019 12:09 PM | SENSOR ALARM<br>L11:UNLE INTERSTICE<br>ANNULAR SPACE<br>FUEL ALARM<br>JUN 3, 2019 11:35 AM |
| L 5:DISP 9 10<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1= 102224  | L13:<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1=999999680                                      |                                                                                       | SENSOR ALARM                                                                               |
| L 6:DISP 11 12<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1= 100866 | L14:<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1=999999680                                      | SENSOR ALARM<br>L 4:DISP 11 12<br>DISPENSER PAN<br>FUEL ALARM<br>JUN 3, 2019 12:10 PM | L 7:UNL SUMP<br>STP SUMP<br>FUEL ALARM<br>JUN 3, 2019 11:36 AM                             |
| L 7:UNL SUMP<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 985<br>VALUE1= 101799   | L15:<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1=999999680                                      |                                                                                       |                                                                                            |
| L 8:PREM SUMP<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 985<br>VALUE1= 101788  | L16:<br>SAMPLES= 5<br>LOW REF1= 163<br>HIGH REF1= 984<br>VALUE1=9999999680                                     | SENSOR ALARM<br>L 5:DISP 9 10<br>DISPENSER PAN<br>FUEL ALARM<br>JUN 3. 2019 12:12 PM  |                                                                                            |

| 10/18 UST018                                                                                                             |                                         | KDHE Reference                                                                     | No.: Owner ID: 0 | 6881 Facility IE | 30435         |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------|------------------|------------------|---------------|--|--|--|
| Storage Ta<br>1000 SW J                                                                                                  | be – Sensor)<br>ompany monitor/pr       | Date of Test <u>6</u><br>Tester ID <u>F</u> [c<br>Company ID <u>6</u><br>Signature | 274              |                  |               |  |  |  |
| горека, ка                                                                                                               | 5 00012-1307                            | Phone: 785 2<br>Fax: 785 5                                                         |                  | oignature co-    |               |  |  |  |
| Please Print Clearly or Type<br>Facility Information<br>A. Facility Na                                                   | me: <u>Cose</u>                         | 11                                                                                 | )                | 125 660          |               |  |  |  |
| B. Facility Ad                                                                                                           | dress: <u> </u>                         | <u>.                                    </u>                                       | (City)           |                  | 78            |  |  |  |
| (Street) (City) (State) (Zip)<br>Monitoring Console Information (Include all failures, repairs or maintenance documents) |                                         |                                                                                    |                  |                  |               |  |  |  |
| Console Type                                                                                                             | Manufacturer                            | Model #                                                                            | Serial #         | Function Check   | Alarms Test   |  |  |  |
| (example: ATG, IM)                                                                                                       | (example: Incon)                        | (example: TLS 350)                                                                 |                  | (Pass / Fail)    | (Pass / Fail) |  |  |  |
| ATG                                                                                                                      | Veales Ros                              | TLS 356                                                                            |                  | Pasi             | PCS1          |  |  |  |
|                                                                                                                          | • · · · · · · · · · · · · · · · · · · · |                                                                                    |                  |                  | V             |  |  |  |

#### Automatic Tank Gauge Probe Information (Include all failures, repairs or maintenance documents)

| Tank                  | Probe Type                                       | Manufacturer     | Probe Model #      | Serial # | Function Check |
|-----------------------|--------------------------------------------------|------------------|--------------------|----------|----------------|
| (Example: U001, U002) | Inventory Only<br>0.2 – 0.1 test<br>CSLD – SCALD | (Example: Incon) | (Example: TSP-LL2) |          | (Pass / Fail)  |
| Ool Uni               | CSVD                                             | 1/redu nos       | Mag Dlus           | 413490   | Pass           |
| 1500 Man              | CSLO                                             | Ucader Rost      | ma Plus            | 413488   | P=11           |
| 003 Diese 1           | LSIP                                             | Vecder Pros      | Mag PUS            | 727429   | Pari           |
|                       |                                                  |                  |                    |          |                |

#### Sensor Information (Include all failures, repairs or maintenance documents)

| Sensor Location<br>(Example: Sump,<br>Dispenser) | Sensor Type<br>(Example: Float-<br>switch,<br>Discriminating, Dry | Manufacturer<br>(Example: Incon) | Sensor Model<br>(Example: TSP-DTS) | Serial # | Function Check<br>(Pass / Fail) |
|--------------------------------------------------|-------------------------------------------------------------------|----------------------------------|------------------------------------|----------|---------------------------------|
| LI P.S. 1-2 Sunp                                 | Interstitial, Solid<br>state)                                     | Ukador Raf                       | thi State                          | <u> </u> | Poly                            |
| WD.4 3.45unp<br>BRig 5-6 Surp                    | float<br>float                                                    | Veeder Root                      | Aristote<br>thistate               |          | Pais                            |
| Mpisp 7-8 Sunp                                   | floor                                                             | Venter Rost                      | -fristate                          |          | Pues                            |
| 65 Digo Q-6 SUP<br>66 Digo H-62 Suno             | float                                                             | Veder Root                       | tristate<br>tristate               |          | Der,<br>Ders,                   |
| L7 Unic STP Sump<br>68 Prem. STP Sump            | floor                                                             | Veeder Rost                      | tristate<br>tristate               |          | Pr)                             |
| La Dasa STP Sump                                 | fra                                                               | VEW Rod                          | tri state                          |          | Pres                            |
| LA Los Inforsta                                  | dry interdiant dry Drymanics                                      | V Ceder Por                      | tri state                          |          | Pall                            |

If you have any questions on how to fill out this form or to request a review of the facility records, please contact the KDHE Storage Tank section at (785) 296-1678 or visit our website at: <u>http://www.kdheks.gov/tanks/index.html</u>. NOTE: UST SYSTEM OWNER/OPERATOR ARE REQUIRED TO MAINTAIN A COPY OF THIS FORM FOR ONE (1) YEAR.

|                                                                                                                                                                                                                                                                                                                              | APR 0 2 2018                                            |                                                           |                                                                | M6884 F             | cility ID: <u>30435</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2/16 UST011                                                                                                                                                                                                                                                                                                                  |                                                         |                                                           | e No.: Owner ID : _                                            | <u>0000</u> Fai     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Inderground Storag                                                                                                                                                                                                                                                                                                           | ge Tank Syste                                           | em                                                        |                                                                | Date of Test        | 3-14-2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tightness Test                                                                                                                                                                                                                                                                                                               | t accompany tai                                         | nk/line tightness t                                       | last results)                                                  | Tester I D          | 20 975 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Submit to: Kansas Depai                                                                                                                                                                                                                                                                                                      | tment of Health                                         | and Environmen                                            |                                                                | 1                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                              | of Environmenta                                         | Remediation                                               |                                                                | Company ID          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                              | Tank Section<br>' Jackson, Suite                        | 410                                                       |                                                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Topeka,                                                                                                                                                                                                                                                                                                                      | KS 66612-1367                                           | Phone: 785                                                | 5296-8061<br>559-4260                                          | Signature           | El Hankel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Please Print Clearly or Type<br>• Facility Information<br>A. Facility Name                                                                                                                                                                                                                                                   | : Casey's                                               | General St                                                | tore #2826                                                     | <u>.</u>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| B. Facility Addre                                                                                                                                                                                                                                                                                                            | ss: <u>2100 S</u>                                       | 4 <sup>15</sup>                                           | Leavenwo<br>(City)                                             | FTH KS              | 66048                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                              |                                                         |                                                           |                                                                |                     | (ພາຍ)<br>) -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| I. Owner Information                                                                                                                                                                                                                                                                                                         | Casavis                                                 | Retail Ca                                                 | MOGAL                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| B. Owner Addres                                                                                                                                                                                                                                                                                                              | ss: <u>PO Box 30</u>                                    | 104 One Convenie                                          | City)                                                          | Keny IA             | 5002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                              |                                                         | Street)                                                   |                                                                | (State)<br>Phone: ( | (∠ip)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| II. Test Information                                                                                                                                                                                                                                                                                                         |                                                         |                                                           | Leak Thresho                                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                              |                                                         |                                                           |                                                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| V. Tank Systems Teste                                                                                                                                                                                                                                                                                                        | d When perform                                          | ning line tests <i>alwa</i>                               | ys provide correspo                                            | onding tank inform  | nation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| V. Tank Systems Teste<br>KDHE tank no.                                                                                                                                                                                                                                                                                       | d When perforn                                          | ning line tests <i>alwa</i>                               | ys provide correspo                                            | onding tank inform  | nation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                              | ed When perform                                         | ning line tests <i>alwa</i>                               | ys provide correspo                                            | onding tank inform  | nation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KDHE tank no.                                                                                                                                                                                                                                                                                                                | ed When perform                                         | ning line tests <i>alwa</i>                               | ys provide correspo                                            | onding tank inform  | nation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KDHE tank no.<br>Total Capacity (gals)                                                                                                                                                                                                                                                                                       | ed When perform                                         | ning line tests <i>alwa</i>                               | ys provide correspo                                            | onding tank inform  | nation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)                                                                                                                                                                                                                                                        | ed When perform                                         | ning line tests alwa                                      | ys provide correspo                                            | onding tank inform  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed                                                                                                                                                                                                                                      | ed When perform                                         | ning line tests alwa                                      | ys provide correspo                                            | onding tank inform  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail                                                                                                                                                                                                                         | ed When perform                                         | ning line tests alwa                                      | ys provide correspo                                            | YesNo_              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate                                                                                                                                                                                                            |                                                         |                                                           |                                                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate                                                                                                                                                                                                            | YesNo                                                   | YesNo<br>Prem                                             | YesNo                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met                                                                                                                                                                 | YesNo<br>UNL<br>001                                     | Yes_No_<br>Prem<br>002                                    | YesNo<br>D/ese/                                                | YesNo               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:                                                                                                                        | Yes_No_<br>UNL<br>OOI<br>Pressure<br>Veeder Root        | Yes_No_<br>Pressure<br>Veeder Root                        | Yes_No_<br>Diesel<br>OO3<br>Pressure<br>Veedur Root            | YesNo               | Image: Second |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech. Leak Det. or                                                                    | Yes_No_<br>UNL<br>OOI<br>Pressure                       | Yes_No_<br>Pressure                                       | Yes_No_<br>Diesel<br>OO3<br>Pressure                           | YesNo               | Image: Second |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech. Leak Det. or<br>Auto. Line Mon. Model:<br>MLD or ALM Pass                       | Yes_No_<br>UNL<br>OOI<br>Pressure<br>VeederRoot<br>PLLD | Yes_No_<br>Prem<br>co2<br>Pressure<br>Veeder Root<br>PLLP | Yes_No_<br>Diesel<br>Diesel<br>Pressure<br>Veeder Root<br>PLLD | YesNo               | Image: Second |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech. Leak Det. or<br>Auto. Line Mon. Model:<br>MLD or ALM Pass<br>Function Test: Y/N | Yes_No_<br>UNL<br>OOI<br>Pressure<br>VeederRoot<br>PLLD | Yes_No_<br>Prem<br>co2<br>Pressure<br>Veeder Root<br>PLLP | Yes_No_<br>Diesel<br>Diesel<br>Pressure<br>Veeder Root<br>PLLD | YesNo               | Image: Second |

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V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.

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| aoaity main               | ··                         | <u>asey's</u><br>2100 s           | , <u>+</u>  |                | <u></u>             |                           |                                        |
|---------------------------|----------------------------|-----------------------------------|-------------|----------------|---------------------|---------------------------|----------------------------------------|
| acility Addro             | ess:                       | _2100 S<br>Leavenu                | Sorth K     | 5              |                     |                           | ~ ************************************ |
| acility Phone             | <br>::                     |                                   | Test Date:  |                | 4-20                | 516-                      |                                        |
| Yest Contract<br>Address: |                            | Haselwood<br>504 App<br>Manhattal |             | D1-<br>3650    | 3                   |                           |                                        |
| Contractor P              | hone #:                    | 785-630                           | -0299       |                | ·····               |                           | ·····                                  |
| Product                   | Detector<br>Model          | Serial<br>Number                  | Line<br>PSI | Seating<br>PSI | Slow<br>Flow<br>PSI | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail                     |
| UNIL                      | and a second second second |                                   | . 30        | 24             | Shot                | 3                         | Pass                                   |
| Frent                     |                            |                                   | 30          | 24             | Down                | 3                         | Pass                                   |
| Diesel                    | RALD                       |                                   | 30          | ,23            | 30                  | +;0                       | Fail                                   |
| Dicsl                     | "PLLD                      |                                   | 30          | 23             | Sket<br>Dug         | 3                         | Pass                                   |
|                           |                            |                                   |             |                |                     |                           |                                        |
|                           | E.I. He                    | elwood                            | Signature:  | El             |                     | 1                         | J                                      |

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PRESSURE LINE LEAK ALARM 0 1:UNLEAD LINE GROSS LINE FAIL MAR 14. 2018 11:41 AM PRESSURE LINE LEAK ALARM Q 2:PREM LINE GROSS LINE FAIL MAR 14, 2018 11:45 ....

PRESSURE LINE LEAK ALARM Q 3:DIESEL LINE GROSS LINE FAIL MAR 14, 2018 11:15 AM

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CASEYS 2826<br>2100 SO. 4TH<br>LEAVENWORTH KS<br>MAR 14, 2018 9:59 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PRESSURE LINE LEAK ALARM<br>G I:UNLEAD LINE<br>PLLD SHUTDOWN ALARM<br>MAR 14, 2018 11:41 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PRESSURE LINE LEAN ALARM<br>Q 2:PREM LINE<br>PLLD SHUIDOWN ALARM<br>MAR 14, 2018 11:45 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PRESSURE LINE LEAK ALARM<br>Q 3:DIESEL LINE<br>PLLD SHUTDOWN ALARM<br>MAR 14. 2018 11:15 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SYSTEM STATUS REPORT<br>ALL FUNCTIONS NORMAL<br>INVENTORY REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PRESSURE LINE LEAK DIAG<br>MAR 14. 2018 12:47 PM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PRESSORE LINE LEAR DIAG<br>MAR 14, 2018 12:47 ht                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | I<br>PRESSURE LINE LEAK (117):<br>MAR 14, 2018 11:25 AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| T 1:UNLEADED<br>Volume = 7816 gals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | © 1:UNLEAD LINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | O 2:PREM LINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Q 3:DIESEL LINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ULLAGE = $12135$ GALS<br>90% ULLAGE= $10139$ GALS ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.0 TEST PASSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.0 TEST PASSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.0 TEST PASSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TC VOLUME = 7904 CALS<br>HEIGHT = 49.82 INCHES<br>WATER VOL = 0 GALS<br>WATER = 0.00 INCHES<br>TEMP = 43.8 DEG F<br>T 2:PREMIUM<br>VOLUME = 3824 GALS<br>ULLAGE = 8049 GALS<br>90% ULLAGE 6861 GALS<br>TC VOLUME = 3847 GALS<br>HEIGHT = 40.66 INCHES<br>WATER VOL = 0 GALS<br>WATER VOL = 0 GALS<br>TEMP - 51.1 DED F<br>T 3:DIESEL<br>VOLUME = 37.6° GALS<br>ULLAGE - 50.04 INCHES<br>HEIGHT = 50.04 INCHES<br>WATER VOL = 0 GALS<br>HEIGHT = 50.04 INCHES<br>WATER = 0.00 INCHES<br>HEIGHT = 50.04 INCHES<br>WATER = 0.00 INCHES<br>HEIGHT = 50.04 INCHES<br>WATER = 0.00 INCHES<br>HEIGHT = 51.3 DIG F | PON       P1       P2         MAR 14. 2018 12:46 PM       30.3       21.9       21.9         MAR 14. 2018 12:39 PM       30.5       21.9       21.7         MAR 14. 2018 12:37 PM       33.2       21.9       21.8         MAR 14. 2018 12:33 PM       33.2       21.9       21.8         MAR 14. 2018 12:33 PM       33.2       21.9       21.9         MAR 14. 2018 12:30 PM       34.6       21.9       21.9         MAR 14. 2018 12:30 FM       34.6       21.9       21.9         MAR 14. 2018 12:30 FM       34.6       21.9       21.9         MAR 14. 2018 11:41 AM       35.6       17.4       11.3         MAR 15. 2017       9:34 AM       40.0       19.6       8.7         MAR 10. 2016 10:02 AM       34.0       17.7       11.4         MAR 17. 2015       2:22 PM       37.2       19.4       8.6         3.0 HI FREGSURE EVENTS       36.6       3.0 HI FREGSURE EVENTS         FON       P1       P2       P2         NO TEST FATA OVALLABLE       P2       P3 | PON         P1         P2           MAR         14. 2018         12:10         P1           31.6         22.7         21.0           MAR         14. 2018         11:51         P1           43.9         22.6         21.7           MAR         14. 2018         11:10         P1           29.8         22.8         22.1           29.8         22.8         22.1           MAR         14. 2018         11:10           29.8         22.8         22.1           MAR         14. 2018         11:03           29.7         27.6         21.9           MAR         14. 2018         10:06           29.3         27.0         22.0           3.0         TEST FAILS           PON         P1         P2           MAR         14.         2018         11:45           32.6         19.2         6.4           800         11.007         700           MAR         14.         20.5         9.9           MAR         19.0         90.5         9.9           MAR         19.6         7.0           MAK         10.0 | PON         P1         F2           MAR 14. 2018 11:25 AM         45.9         28.2         25.9           MAR 14. 2018 11:06 AM         42.7         13.1         12.1           MAR 14. 2018 10:57 AM         47.9         26.8         25.5           MAR 14. 2018 10:21 AM         36.5         13.8         12.6           MAR 14. 2018 10:21 AM         31.1         24.3         24.0           31.1         24.3         24.0         31.4           S1.1         24.3         24.0         31.4           39.7         24.0         32.0         39.7           MAR 14. 2018 11:15 AM         39.7         24.0         32.0           MAR 15. 2017         31.4         40.4         41.4           MAR 10. 2010         32.4         41.7           MAR 10. 2010         33.4         41.7           MAR 10. 2010         33.4         41.7           MAR 10. 2010         33.4         41.7           MAR 10. 2010 |
| • * * * END * * * • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PON P1 P2<br>NO TEST DATA AVAILABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

12/16 UST 018

#### **UST System Interstitial Sensor Test**

Complete for new installs and upgrades that require interstitial monitoring

Submit To: Kansas Department of Health and Environment Bureau of Environmental Remediation Storage Tank Section 1000 SW Jackson, Suite 410 Topeka, KS 66612-1367

| Date of Test: | 3-14-2018 |
|---------------|-----------|
| Worker ID:    | IO 975/   |
| Company ID: _ | CO 578    |
| Signature:    | 2) Halis  |
|               |           |

Phone: 785-296-8061 Fax: 785-559-4260

- I. Facility Information
  - a. Facility Name: <u>Casey's General Store # 2826</u> b. Facility Address: <u>2100 S 922</u> <u>Leavenworth KS 66048</u> c. Contact Person: <u>Jill- Reams</u>-Widder Phone: <u>(ZIP)</u>
- II. Owner Information
  - a. Owner Name: Casey's Retail Company
  - b. Owner Address: <u>Bloc 3001 One Convenience Bird "Ankener IA 5301.</u> (Street) (City) (State) (ZiP) c. Owner Contact Person:
  - Test Method: Veeder Root TLS 350

Include copies of the alarm history and current sensor status reports for each sensor tested.

IV. Test Results

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| 7. Test Results                     |                                              | ·····                                        |                                        |                                            |                                      | 1        |
|-------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------|----------|
| Sensor Location &<br>Model Number   | Discriminating<br>or Non -<br>Discriminating | Sensor<br>Programming<br>(Alarm, Shutdown or | Tank<br>Interstitial<br>(Dry or Brine) | Sensor Correctly<br>Mounted<br>(Yes or No) | Sensor<br>Operational<br>(Yes or No) |          |
|                                     | Discriminating                               | both)                                        |                                        | (100 01 110)                               | (103 01 110)                         |          |
| Disp 1-2<br>LI Sump                 | Non                                          | Alarm                                        | N/A                                    | yes                                        | yes                                  |          |
| 12 Disp 3-4<br>Sump                 | Non                                          | Alarm                                        | N/A                                    | yes                                        | yes                                  |          |
| L3 Disp 5-6<br>Sump                 | Non                                          | Alasm                                        | NIA                                    | yes                                        | yes                                  |          |
| 14 Disp 7-8<br>14 Sump<br>Disp 9-10 | Non                                          | Alarm                                        | NA                                     | yes                                        | yes                                  |          |
| 45 sumo                             | Non                                          | Alarm                                        | N/A                                    | yes                                        | yes                                  | -        |
| Disp 11-12<br>L6 Sump               | Non                                          | Alarm                                        | NIA                                    | yes                                        | yes                                  | -        |
| LT STP Sump                         | Non                                          | Alarm                                        | N/A                                    | yes                                        | yes                                  | _        |
| L8 Prem<br>L8 STPAM                 | Non                                          | Alarm                                        | N/A_                                   | ves                                        | yes                                  | _        |
| L9 Diesel<br>SIP Sump               | Non                                          | Alarm                                        | NA                                     | yes                                        | yes                                  | -<br>-   |
| LIO Interstice                      | Non                                          | fllarm                                       | Dry                                    | corroded -<br>sensor could no              | the removed                          | for Test |
| LII Interstice                      | Non                                          | Alarm                                        | Dry                                    | yes                                        | yes                                  |          |
|                                     |                                              |                                              | /                                      | /                                          | ·                                    |          |
|                                     |                                              |                                              |                                        |                                            |                                      | _        |
|                                     |                                              |                                              |                                        |                                            | <u></u>                              | -        |

L 1:DISP 1 2 DISPENSER PAN FUEL ALARM MAR 14, 2018 11:49 AM

· · ·

CASEYS 2826 2100 SO. 4TH LEAVENWORTH KS

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MAR 14, 2018 12:44 PM

LIQUID STATUS MAR 14, 2018 12:44 PM

L 1:DISP 1 2 SENSOR NORMAL

L 2:DISP 3 4 SENSOR NORMAL

L 3:DISP 5 6 SENSOR NORMAL



L 5:DISP 9 10 SENSOR NORMAL

1. 6:DISP 11 12 SENSOR NORMAL

L 7: UNL SUMP SENSOR NORMAL

L 8: PREN SUMP SENSOR NORMAL

L 9:DIESEL SUMP SENSOR NORMAL

LIC:PREMDIESEL INTERSTIC SENSOR NORMAL

LITUNLE INTERSTICE FUEL ALARM

\* \* \* \* \* END \* \* \* \* \*

L 2:DISP 3 4 DISPENSER PAN FUEL ALARM MAR 14, 2018 12:11 PM

L 3:DISP 5 6 DISPENSER PAN FUEL ALARM MAR 14, 2018 12:11 PM

SENSOR ALARM L 6:DISP 11 12 DISPENSER PAN FUEL ALARM MAR 14, 2018 12:15 PM L 9:DIESEL SUMP STP SUMP FUEL ALARM MAR 14, 2018 10:33 AM

SENSOR ALARM Lit:UNLE INTERSTICE ANNULAR SPACE FUEL ALARM MAR 14, 2018 12:26 PM

L 7:UNL SUMP STP SUMP FUEL ALARM MAR 14, 2018 12:27 PM

SENSOR ALARM 1.5:DISP 9 10 DISPENSER PAN FUEL ALARM MAR 14, 2018 12:16 PM SENSOR ALANN L S:PREM SUMP STP SUMP FUEL ALARM MAR 14, 2018 12:40 PM

L 4:DISP 11 12 78 DISPENSER PAN FUEL ALARM MAR 14, 2018 12:16 PM

| AF                                                          | PR 0 4 2012      |                                                              | ·                                        |                                                                     |                  |
|-------------------------------------------------------------|------------------|--------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------|------------------|
| 12/16 UST011                                                | $\mathcal{O}$    | KDHE Reference                                               | No.: Owner ID : <u></u>                  | 6성용니Facility                                                        | 10: <u>30435</u> |
| Submit to: Kansas Depar<br>Bureau o<br>Storage<br>1000 SW   | accompany tan    | k/line tightness to<br>and Environment<br>Remediation<br>410 | <b>死</b> 刑<br>296-8061                   | Date of Test<br>Tester I.DZ<br>Company ID<br>Signature <del>E</del> | 20.578           |
|                                                             |                  |                                                              | HELEDIAN 12826                           |                                                                     |                  |
| C. Contact Perso                                            | n: Jill Rea      | ms-Widdle                                                    | <u>Leavenworth</u><br>(City)<br><u>F</u> | _Phone: ()                                                          | :6048<br>        |
| C. Owner Contac<br>III. Test Information<br>A. Test Method: | t Person:        | LD Tester                                                    | <u>City</u><br>Leak Threshold            | _Phone: ()<br>: _ <u>39Ph</u>                                       |                  |
| IV. Tank Systems Teste<br>KDHE tank no.                     | a when perioriti | ing line tests alway                                         | /s provide correspon                     | iding tank informatio                                               |                  |
| Total Capacity (gals)                                       |                  |                                                              | · · · · · · · · · · · · · · · · · · ·    |                                                                     |                  |
| Capacity during Test (gals)                                 |                  |                                                              |                                          |                                                                     |                  |
| Year installed                                              |                  |                                                              |                                          | ······································                              |                  |
| Pass/Fail                                                   |                  |                                                              |                                          |                                                                     |                  |
| Leak rate                                                   |                  | · · · · · · · · · · · · · · · · · · ·                        |                                          |                                                                     |                  |
| 3 <sup>rd</sup> Party Certification met                     | YesNo            | YesNo<br>Prem                                                | Yes_No<br>Diesel                         | YesNo                                                               | Yes'.:           |
| KDHE tank/line no.                                          | 001              | 002                                                          | 003                                      |                                                                     |                  |
| Dispenser type:<br>Safe/Conventional/Pressure               | Pressure         | Pressure                                                     | Pressure                                 |                                                                     |                  |
| Mech. Leak Det. or<br>Auto. Line Mon. Model:                | PLLD             | Veeder Root<br>PLLD                                          | Veeder Rock<br>PLLP                      |                                                                     |                  |
| MLD or ALM Pass Function Test: Y/N                          | Υ                | Ý                                                            | Y                                        |                                                                     |                  |
| Pass/Fail                                                   |                  |                                                              |                                          |                                                                     |                  |
| Leak rate                                                   |                  |                                                              |                                          |                                                                     |                  |
| 3 <sup>rd</sup> Party Certification met                     | Yes_/_No         | Yes No                                                       | Yes_No                                   | YesNo                                                               | ¥55'.:           |

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V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section. 785-296-8381.

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### TSC 1000 Leak Detector Tester DATA COLLECTION AND REPORT FORM

| acility Name                            |                           | <u>Casey's</u><br>2100 5                      | 282                      | 6              |                     |                           |                    |
|-----------------------------------------|---------------------------|-----------------------------------------------|--------------------------|----------------|---------------------|---------------------------|--------------------|
| acility Addro                           | ess:                      | 2100 5 ·<br>Leavenwar                         | 1 <sup>46</sup><br>+4,KS |                |                     | ······                    |                    |
| acility Phone                           | 8:                        |                                               | Test Date:               | 3-1            | 5-201               | 7                         |                    |
| est Contract<br>ddress:<br>ontractor Pl |                           | Haselwood<br>504 Appl<br>Manhattar<br>785-630 |                          |                | 3                   |                           |                    |
| Product                                 | Leak<br>Detector<br>Model | Serial<br>Number                              | Line<br>PSI              | Seating<br>PSI | Slow<br>Flow<br>PSI | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail |
| UNL                                     | PLLD                      |                                               | . 32                     | 25             | Smut<br>Davn        | 3                         | Pass               |
| Prem                                    | PLO                       |                                               | 30                       | 25             | Shut<br>Down        | 3                         | Pasi               |
| Diesel                                  | vhpup                     |                                               | 40                       | 25             | 210                 | +10                       | Fu,'               |
| D:esc                                   | PLLD                      |                                               | 38                       | 27             | 5201<br>Our         | Z                         | Fass               |
|                                         |                           |                                               |                          |                |                     |                           |                    |
| L                                       | <u></u>                   |                                               |                          | <u> </u>       | 1                   |                           | 1                  |

| Test        | - and 1. A   |            | -1   | 11     | and the second se |
|-------------|--------------|------------|------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technician: | Ed Haselwood | Signature: | E    | theher |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Date:       | -15-2017     | Time:      | 9:45 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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Comments:\_\_\_\_\_

PRESSURE LINE LEAK ALARM PRESSURE LINE LEAK BLARM WESSORE LINE LEAR CLARK GROSS LINE FAIL & 2:PREM LINE GROSS LINE FAIL CHAOGE LINE FAIL MAR 15, 2017 9:14 AM PRESSURE LINE LEAK ALARM Q 1:UNLEAD LINE MAR 15, 2017 9:38 AM GROSS LINE FAIL MAR 15, 2017 9:34 AM CASEYS 2826 2100 SO. 4TH LEAVENWORTH KS MAR 15. 2017 8:22 AM PRESSURE LINE LEAK ALARM PRESSURE LINE LEAK ALARM Q 3:DIESEL LINE Q 2:PREM LINE SYSTEM STATUS REPORT PLLD SHUTDOWN ALARM PRESSURE LINE LEAK ALARM PLLD SHUTDOWN ALARM and the second sec MAR 15, 2017 9:14 AM Q 1:UNLEAD LINE MAR 15, 2017 9:38 AM 7 2:DELIVERY NEEDED PLLD SHUTDOWN ALARM MAR 15, 2017 9:34 AM INVENTORY REPORT T 1: UNLEADED VOLUME - 15867 GALS ULLACE - 4084 GALS 90% ULLAGE= 2088 GALS PRESSURE LINE LEAK DIAG FREESURE LINE LEAK DIAG PRESSURE LINE LEAK DIAG TC VOLUME = 16062 GALS MAR 15, 2017 9:46 AM MAR 15. 2017 9:26 AM MAR 15. 2017 9:46 AM HE1GHT = 87.88 INCHES WATER VOL = 0 GALS WATER ≈ 0.00 INCHES TEMP = 42.4 DEG F Q 2:PREM LINE ⇒ 3:DIESEL LINE W I: UNLEAD LINE 3.0 TEST PASSES 3.0 TEST PACED: 

 3.0 TEST PASSES
 3.0 TEST PASSES

 PON
 P1
 P2

 MAR 15. 2017
 9:43 AM

 42.0
 22.7
 21.9

 MAR 15. 2017
 9:09 AM

 37.9
 22.8
 22.1

 MAR 15. 2017
 7:33 AM
 MAR 15. 2017
 8:16 AM

 29.4
 22.6
 22.0
 28.3
 24.2
 24.1

 MAR 15. 2017
 6:18 AM
 MAR 14. 2017
 7:58 PM
 38.0
 22.8
 22.1

 MAR 15. 2017
 5:56 AM
 MAR 14. 2017
 6:14 PM
 37.8
 22.7
 22.0

 3.0 TEST PASSES T 2:PREMIUM \_\_\_\_\_ VOLUME = 1569 CALS PON PI P2 ULLACE ~ 10304 GALS MAR 15, 2017 9:43 AM 90% ULLAGE= 9116 CALS 45.4 22.3 21.6 TC VOLUME - 1573 GALS MAR 15. 2017 9:24 AM HEIGHT = 23.92 INCHES 40.2 22.2 21.6 { WATER VOL = 0 GALS MAR 15. 2017 9:15 AM 30.6 22.2 21.9 WATER ~ 0.00 INCHES TEMP = 55.8 DEG F MAR 15. 2017 9:04 AM 33.4 22.1 21.7 MAR 15. 2017 9:00 AM T 3:DIESEL 33.6 22.1 21.7 VOLUME ≃ 4325 GALS 3.0 TEST FAILS ULLAGE ≃ 4206 GALS C.U TEST FAILS 0.0 TEST FAILS 90% ULLAGE= 3352 GALS I'ON PI P2 المسارية بدارو بيدانية المسارية المدارمة الأرام PON PI P2 MOR 15. 2017 9:34 AM 40.0 19.6 8.7 MAP 11 2014 10:02 AM TO VOLUME - 4334 GALS HEIGHT = 60.35 INCHE: WATER VOL = 0 GALS WATER = 0.00 INCHES MAR 10. 2016 10:02 AM TEMP = 55.1 DEC F 34.0 17.7 11.4 MAR 17. 2015 2:22 PM 97.2 19.4 8.6 J.U HI FRESSORE EVENTS GLUEHLERDERURPENDE 3.0 HI PRESSURE EVENTS: TON PLAN AN AN IBSE DATA (MARIABLE PON P1 P2 PON P1 P2 NO TEST DATA AVAILABLE

NO TEST DATA AVAILABLE

12/16 UST 018

Phone:

### **UST System Interstitial Sensor Test**

Complete for new installs and upgrades that require interstitial monitoring

Submit To: Kansas Department of Health and Environment **Bureau of Environmental Remediation Storage Tank Section** 1000 SW Jackson, Suite 410 Topeka, KS 66612-1367

Til

| Date of Test: 3-13-2017    |
|----------------------------|
| Worker ID: <u>Z0 975 /</u> |
| Company ID: 578            |
| Signature:                 |

66048

(ZIP)

Phone: 785-296-8061 Fax: 785-559-4260

- ۱. **Facility Information** 
  - General Store a. Facility Name:\_ b. Facility Address: 2100 475 Leavenwin (Street) Ś (City) (State)
- c. Contact Person: 11. **Owner Information** 
  - Company a. Owner Name: Casev's 0
  - b. Owner Address: Policia 3001 One Convenience Block TR 5002 れこい (Street) (City) (State) (ZIP) Phone:
  - c. Owner Contact Person:

HI. Test Method:

Include copies of the alarm history and current sensor status reports for each sensor tested.

#### IV. **Test Results**

|     | or Location &<br>odel Number          | Discriminating<br>or Non -<br>Discriminating | Sensor<br>Programming<br>(Alarm, Shutdown or<br>both) | Tank<br>Interstitial<br>(Dry or Brine) | Sensor Correctly<br>Mounted<br>(Yes or No) | Sensor<br>Operational<br>(Yes or No) |         |
|-----|---------------------------------------|----------------------------------------------|-------------------------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------|---------|
| 21  | Disp 1-2<br>sump                      | Non                                          | Alarm                                                 | N/A                                    | Yes                                        | yes.                                 |         |
| 12  | Disp 3-4<br>sump                      | Non                                          | Alarm                                                 | N/A                                    | Yes                                        | Tes                                  |         |
| 13  | Disp 5-6                              | Non                                          | Alarm                                                 | NIA                                    | ر يومې                                     | د چې                                 |         |
| 24  | 0:5\$7-8<br>Sump                      | Non                                          | Alarm                                                 | NA                                     | Yes                                        | Yes                                  |         |
| 25  | 6:50 9-10<br>Sungi                    | Nori                                         | Harm                                                  | N/A                                    | Yes                                        | Tes                                  |         |
| 6   | Disp 11-12<br>Sump                    | Non                                          | Alarm                                                 | NIA                                    | Yes                                        | Yei                                  |         |
| L7. | UNL<br>STP Sump                       | Non                                          | Alarmi                                                | N'/A                                   | Yes                                        | Yes                                  |         |
| 28  | Frem<br>STP sump                      | Non                                          | Alarm                                                 | NIA                                    | Yes                                        | ies                                  |         |
| 49  | Diesel<br>STP Sump                    | Non                                          | Alarm                                                 | N/A                                    | Yes                                        | Yes                                  |         |
| 10  | UNL<br>Interstice                     | Nori                                         | Alarm                                                 | Dry                                    | Corroded<br>Would not                      | n,<br>move - not                     | +e 5 th |
| LII | Diesel Arem<br>Interstica             | Non                                          | Alarm                                                 | Dry                                    | Yes                                        | Yes                                  |         |
|     |                                       |                                              | ÷                                                     | 1                                      |                                            |                                      |         |
|     |                                       |                                              |                                                       |                                        |                                            |                                      | ].      |
|     | · · · · · · · · · · · · · · · · · · · |                                              |                                                       |                                        |                                            |                                      | 1       |

CASEYS ∠826 2100 SO. 4TH LEAVENWORTH KS

MAR 15. 2017 10:33 AM

LIQUID STATUS

MAR 15, 2017 10:83 AM

L 1:DISP 1 2 SENSOR NORMAL

L 2:DISP 3 4 SENSOR NORMAL

L 3:DISP 5 6 SENSOR NORMAL

L 4:DISP 11 12 SENSOR NORMAL

L 5:DISP 9 10 SENSOR WORMAL

L 6:DISP 11 12 SENBOR NORMAL

L 7:UNL SUMP SENSOR NORMAL

L 8:PREM SUMP SENSOR NORMAL

L 9:DIESEL SUMP SENSOR NORMAL

L10:UNL INTER SENSOR NORMAL

L11:DIESEL PREM INTÈR SENSOR NORMAL

\*\*\*\*\*

L 1:DISP 1 2 DISPENSER PAN FUEL ALARM MAR 15, 2017 9:47 AM

L 2:DISP 3 4 DISPENSER PAN FUEL ALARM MAR 15, 2017 9:47 AM

L 3:DISP 5 6 DISPENSER PAN FUEL ALARM MAR 15, 2017 9:48 AM

L 6:DISP 11 12 DISPENSER PAN FUEL ALARM MAR 15, 2017 9:53 AM L 4:DISP 11 12 DISPENSER PAN FUEL ALARM MAR 15, 2017 9:54 AM

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L S:PREM SUMP STP SUMP FUEL ALARM MAR 15, 2017 10:05 AM

----- SENSOR ALARM -----L 7:UNL SUMP STP SUMP FUEL ALARM MAR 15, 2017 10:18 AM

I TOTO SENSOR ALARM - ----I TOTO IESEL FREM INTER ANNOLAR SPACE FUEL ALARM 1961: 15, 2017 10:23 AM

L 9:DIESEL SUMP STP SUMP FUEL ALARM MAR 15, 2017 8:52 AM

| 1.49 1197044                                                                                                                                                                                                                                                                                                                                           |                                                      |                      |                               | 06000 -            | 30425                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------|-------------------------------|--------------------|----------------------------------------|
| 0-12 UST011                                                                                                                                                                                                                                                                                                                                            |                                                      | KDHE Reference       |                               | <u>20007</u> Fai   | cility ID: 30435                       |
| Inderground Storag                                                                                                                                                                                                                                                                                                                                     | ge Tank Syste                                        | em                   |                               | Date of Test       | 3-10-2010                              |
| •                                                                                                                                                                                                                                                                                                                                                      | t accompany tan                                      | nk/line tightness t  | est results)                  | Tester I.D.        | IO 9751                                |
| ubmit to: Kansas Depar                                                                                                                                                                                                                                                                                                                                 | tment of Health                                      | and Environment      |                               | Company ID         | CO 578                                 |
|                                                                                                                                                                                                                                                                                                                                                        | of Environmental<br>Tank Section                     | Remediation          |                               |                    |                                        |
|                                                                                                                                                                                                                                                                                                                                                        | Jackson, Suite<br>KS 66612-1367                      | 410<br>Phone: 785    | 206 9064                      | Signature          | stal fund                              |
| τομεκά,                                                                                                                                                                                                                                                                                                                                                | N3 00012-1307                                        | Fax: 785             |                               | Olghatare          | A H                                    |
| lease Print Clearly or Type                                                                                                                                                                                                                                                                                                                            |                                                      |                      |                               |                    |                                        |
| Facility Information                                                                                                                                                                                                                                                                                                                                   | Cosen's C                                            | <u>ieneral Sta</u>   | ro # 2000                     | 2826               | ······································ |
| B. Facility Addres                                                                                                                                                                                                                                                                                                                                     | ss: 2100 5                                           | 415                  | Leavenwor                     | 21. 1              | 66048                                  |
|                                                                                                                                                                                                                                                                                                                                                        | (S'                                                  | treet)               | (City)                        | (State)            | (Zip)                                  |
| C. Contact Perso<br>Owner Information                                                                                                                                                                                                                                                                                                                  | on: <u>Jill Ke</u>                                   | ams-Widd             | <u>er</u>                     | Phone: (           | )                                      |
| A. Owner Name:                                                                                                                                                                                                                                                                                                                                         |                                                      | Retail Con           |                               |                    |                                        |
| B. Owner Addres                                                                                                                                                                                                                                                                                                                                        | ss: PO Box 3001                                      | , One Convening      | ence Blud, (                  | Inkeny -           | <u>ZA 50021</u>                        |
|                                                                                                                                                                                                                                                                                                                                                        |                                                      | Reams-L              | 1:dder                        |                    | ) <u>965 - 6100 ext</u> (              |
| II. Test Information                                                                                                                                                                                                                                                                                                                                   |                                                      |                      |                               |                    |                                        |
| A. Test Method:                                                                                                                                                                                                                                                                                                                                        | 10010                                                | OU LU Test           | Leak Inreshol                 | d: SCOR            | <b>`</b>                               |
|                                                                                                                                                                                                                                                                                                                                                        |                                                      |                      |                               |                    | <u>/</u>                               |
|                                                                                                                                                                                                                                                                                                                                                        |                                                      |                      |                               |                    |                                        |
|                                                                                                                                                                                                                                                                                                                                                        |                                                      |                      |                               |                    |                                        |
| V. Tank Systems Teste<br>KDHE tank no.                                                                                                                                                                                                                                                                                                                 |                                                      |                      |                               |                    |                                        |
| <b>/. Tank Systems Teste</b><br>KDHE tank no.<br>Total Capacity (gals)                                                                                                                                                                                                                                                                                 |                                                      |                      |                               |                    |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)                                                                                                                                                                                                                                                         |                                                      |                      |                               |                    |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed                                                                                                                                                                                                                                       |                                                      |                      |                               |                    |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)                                                                                                                                                                                                                                                                                        |                                                      |                      |                               |                    |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail                                                                                                                                                                                                                          |                                                      | ing line tests alway | vs provide correspo           |                    |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate                                                                                                                                                                                                             | ed When perform                                      | ing line tests alway | vs provide correspo           | onding tank inform |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate                                                                                                                                                                                                             | ed When perform                                      | ing line tests alway | vs provide correspo           | onding tank inform |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fall<br>Leak rate<br>3 <sup>rd</sup> Party Certification met                                                                                                                                                                  | ed When perform<br>YesNo<br>سریر                     | Ing line tests alway | Yes_No_<br>Diesel<br>Pressure | Yes_No_            |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech. Leak Det. or                                                                     | YesNo<br>UNL<br>Pressur<br>VesNo<br>UNL              | Ing line tests alway | Yes_No_<br>Diesel<br>Pressure | Yes_No_            |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure                                                                                           | YesNo<br>UNL<br>Pressure                             | ing line tests alway | Yes_No_<br>Diesel<br>Pressure | Yes_No_            |                                        |
| V. Tank Systems Teste<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech, Leak Det, or                                                                     | YesNo<br>UNL<br>Pressur<br>VesNo<br>UNL              | Ing line tests alway | Yes_No_<br>Diesel<br>Pressure | Yes_No_            |                                        |
| V. Tank Systems Tester<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech. Leak Det. or<br>Auto. Line Mon. Model:<br>MLD or ALM Pass                       | YesNo<br>UNL<br>ODI<br>PEESSUR<br>Veder Roor<br>PLLD | Ing line tests alway | Yes_No_<br>Diesel<br>Pressure | Yes_No_            |                                        |
| V. Tank Systems Tester<br>KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fail<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech. Leak Det. or<br>Auto. Line Mon. Model:<br>MLD or ALM Pass<br>Function Test: Y/N | YesNo<br>UNL<br>ODI<br>PEESSUR<br>Veder Roor<br>PLLD | Ing line tests alway | Yes_No_<br>Diesel<br>Pressure | Yes_No_            |                                        |

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V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.

| acility l<br>est Con<br>ddress | itract | :or:                               | aselwood<br>Do Dexter<br>Clay Cente | 5+<br>F, KS |                |                     |                           |                    |
|--------------------------------|--------|------------------------------------|-------------------------------------|-------------|----------------|---------------------|---------------------------|--------------------|
| r                              | luct   | Leak<br>Detector<br>Mod <b>e</b> i | 78 S - 630 -<br>Serial<br>Number    | Line<br>PSI | Seating<br>PSI | Slow<br>Flow<br>PSI | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail |
| UN                             | 16     | PLLD                               |                                     | 30          | 22             | shut<br>Down        | 3                         | Pass               |
| Pro                            | m      | PLLD                               |                                     | 30          | 24             | Abun                | 3                         | Pass               |
| D:                             |        | VRPLLD                             |                                     | 38          | 24             | 38                  | +10                       | Fai                |
| Die                            | sel    | PLLD                               |                                     | 38          | 24             | snut<br>Down        | 3                         | Res                |
|                                |        |                                    |                                     |             |                |                     |                           |                    |
| est                            | an:    | Ed H                               | aselwood                            | Signature:  | Æ              | Thek                | ~~/                       | /                  |

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TSC 1000 Leak Detector Tester

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| CASEYS 2826<br>2100 So. 4Th<br>Leavenworth KS<br>Mar 10. 2016 8:47 AM                                                                                                                                                                                                                                                                                                                                                                                   | PRESSURE LINE LEAK ALARM<br>Q 1:UNLEAD LINE<br>GROSS LINE FAIL<br>MAR 10, 2016 10:02 AM                                                                                                                                                                                                                                                                                                                                                                | PRESSURE LINE LEAK ALARM<br>Q 2:PREM LINE<br>GROSS LINE FAIL<br>MAR 10, 2016 10:06 AM                                                                                                                                                                                                                                                                                                                                                             | PRESSURE LINE LEAK ALARM<br>G 3:DIESEL LINE<br>GROSS LINE FAIL<br>MAR 10, 2016 9:34 AM                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM STATUS REPORT<br>ALL FUNCTIONS NORMAL<br>INVENTORY REPORT<br>T 1:UNLEADED<br>VOLUME = 8472 GALS<br>ULLAGE = 11479 GALS<br>90% ULLAGE = 9483 GALS<br>TC VOLUME = 8521 GALS<br>HEIGHT = 52.84 INCHES<br>WATER VOL = 0.00 INCHES                                                                                                                                                                                                                    | PRESSURE LINE LEAK ALARM<br>Q 1:UNLEAD LINE<br>PLLD SHUTDOWN ALARM<br>MAR 10, 2016 10:02 AM<br>PRESSURE LINE LEAK DIAG<br>MAR 10, 2016 10:12 AM                                                                                                                                                                                                                                                                                                        | PRESSURE LINE LEAK ALARM<br>O 2:PREM LINE<br>FLLD SHUTDOWN ALARM<br>MAR 10. 2016 10:06 AM<br>FRESSURE LINE LEAK DIAG<br>MAR 10. 2016 10:12 AM                                                                                                                                                                                                                                                                                                     | PRESSURE LINE LEAN ALARM<br>Q 3:DIESEL LINE<br>PLLD SHUTPOWN ALARM<br>MAR 10, 2016 9:34 AM                                                                                                                                                                                                                                                                                                                                                                                                             |
| WATER = 0.00 INCHES<br>TEMP = 51.6 DE3 F<br>T 2:PREMIUM<br>VOLUME = 3411 GALS<br>ULLAGE = 9452 GALS<br>90% ULLAGE = 7274 GALS<br>TC VOLUME = 3427 GALS<br>HEIGHT = 40.36 INCHES<br>WATER vol = 0 GALS<br>WATER = 0.00 INCHES<br>TMP = 53.2 DE3 F<br>T 3:DIESEL<br>VOLUME = 2836 GALS<br>ULLAGE = 4851 GALS<br>TC VOLUME = 2833 GALS<br>HEIGHT = 43.61 INCHES<br>WATER vol = 0 GALS<br>WATER = 0.00 INCHES<br>TEMP = 53.8 DEG F<br>* * * * * END * * * * | Q 1:UNLEAD LINE<br>3.0 TEST PACSES<br>FON P1 P2<br>MAR 10. 2016 10:11 AM<br>46.5 21.7 21.9<br>MAR 10. 2016 9:53 AM<br>91.2 21.6 21.6<br>MAR 10. 2016 9:46 AM<br>92.2 21.6 21.6<br>MAR 10. 2016 9:43 AM<br>29.4 21.6 21.5<br>MAR 10. 2016 9:34 AM<br>98.8 21.8 21.5<br>3.0 TEST FAILS<br>PON P1 F2<br>MAR 10. 2016 10:02 AM<br>34.0 17.7 11.4<br>MAR 17. 2015 2:23 PM<br>37.2 19.4 8.6<br>J.0 HI PRESSURE EVENTS<br>FON F1 F2<br>MO TEST DATA AVAILABLE | G 2:PREM LINE<br>3.0 TEST PASSES<br>PON P1 P2<br>MAR 10, 2016 10:12 AM<br>45.2 22.9 22.1<br>MAR 10, 2016 8:40 AM<br>34.0 22.9 22.4<br>MAR 9, 2016 10:07 PM<br>30.8 22.8 22.3<br>MAR 9, 2016 7:57 PM<br>29.9 22.7 22.3<br>MAR 9, 2016 6:45 PM<br>29.7 22.7 22.2<br>3.0 TEST FAILS<br>PON P1 P2<br>MAR 10, 2016 10:06 AM<br>35.3 19.6 7.0<br>MAR 17, 2015 2:27 PM<br>41.0 20.9 9.8<br>3.0 HI PRESSURE EVENTS<br>PON P1 P2<br>NO TEST DATA AVAILABLE | PRESSURE LINE LEAK DIAG<br>MAR 10, 2016 9:48 AM<br>G 3:DIESEL LINE<br>3.0 TEST PASSES<br>PON P1 P2<br>MAR 10, 2016 9:47 AM<br>47.1 27.6 25.2<br>MAR 10, 2016 9:15 AM<br>37.7 25.4 20.8<br>MAR 10, 2016 9:15 AM<br>43.2 14.6 12.9<br>MAR 10, 2016 7:41 AM<br>30.8 23.5 23.7<br>MAR 9, 2016 8:25 PM<br>33.1 23.8 24.0<br>3.0 TEST FAILS<br>PON P1 P2<br>MAR 10, 2016 9:34 AM<br>41.1 12.6 11.7<br>MAR 17, 2015 3:56 PM<br>46.8 12.9 7.4<br>3.0 HI FRESSURE EVENTS<br>PON P1 P2<br>NO TEST DATA AWAILABLE |

|                                                                                                                                                                                                                                                                                                             |                                                |                                        | MAR ALASTS                          | -                       |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|-------------------------------------|-------------------------|--------------------------|
| 0-12 UST011                                                                                                                                                                                                                                                                                                 |                                                | KDHE Reference                         | No.: Owner ID : _                   | <u>06884</u> Facil      | lity ID: <u>30435</u>    |
| Inderground Storag                                                                                                                                                                                                                                                                                          | je Tank Syste                                  | m                                      |                                     | Date of Test            | 3-17-2015                |
| ightness Test                                                                                                                                                                                                                                                                                               |                                                |                                        |                                     | -                       | · · ·                    |
| (This form must<br>Submit to: Kansas Depar                                                                                                                                                                                                                                                                  |                                                | k/line tightness to<br>and Environment |                                     |                         | <u>to 975 (</u>          |
|                                                                                                                                                                                                                                                                                                             | of Environmental<br>Tank Section               | Remediation                            |                                     | Company ID              | <u>co 578</u>            |
| 1000 SW                                                                                                                                                                                                                                                                                                     | Jackson, Suite<br>KS 66612-1367                | 410<br>Phone: 785<br>Fax: 785          |                                     | Signature               | El Hanner                |
| lease Print Clearly or Type Facility Information A Facility Name                                                                                                                                                                                                                                            | Casevis C                                      | eneral Sta                             | ore # 2826                          |                         |                          |
| B. Facility Addres                                                                                                                                                                                                                                                                                          |                                                | 4 <sup>7</sup> 2                       | Leavenwort<br>(City)                | in KS 6                 | 6048                     |
| -                                                                                                                                                                                                                                                                                                           |                                                | treet)<br>c_ms - Widd                  |                                     | (State) (2<br>Phone: () | Zip)                     |
| . Owner Information                                                                                                                                                                                                                                                                                         |                                                |                                        |                                     | rnone. (}               |                          |
|                                                                                                                                                                                                                                                                                                             |                                                | Retail Con                             |                                     | Ankany T                | A 50021                  |
|                                                                                                                                                                                                                                                                                                             | '.                                             | <u>One Conveni</u><br>treet)           |                                     | Ankeny Z<br>(State) (2  | Zip)                     |
| I. Test Information                                                                                                                                                                                                                                                                                         |                                                | <u>  Reams-1</u><br>00 <u>LD test</u>  | Leak Thresho                        | _                       | <u>965 - 6100 ext</u> 62 |
| V. Tank Systems Teste                                                                                                                                                                                                                                                                                       |                                                |                                        |                                     | //                      | tion                     |
|                                                                                                                                                                                                                                                                                                             |                                                |                                        |                                     |                         | euop.                    |
| KDHE tank no.                                                                                                                                                                                                                                                                                               |                                                |                                        |                                     |                         |                          |
|                                                                                                                                                                                                                                                                                                             |                                                |                                        |                                     |                         |                          |
|                                                                                                                                                                                                                                                                                                             |                                                |                                        |                                     |                         |                          |
| Total Capacity (gals)                                                                                                                                                                                                                                                                                       |                                                |                                        |                                     |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)                                                                                                                                                                                                                                                        |                                                |                                        |                                     |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed                                                                                                                                                                                                                                      |                                                |                                        |                                     |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fail                                                                                                                                                                                                                         | YesNo                                          | YesNo                                  | YesNo                               | YesNo                   | YesNo                    |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate                                                                                                                                                                                                            | YesNo<br><i>U או</i> ل                         | YesNo<br>Prem                          |                                     |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate                                                                                                                                                                                                            | L,                                             | · · · · · · · · · · · · · · · · · · ·  | YesNo                               |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate<br>3 <sup>rd</sup> Party Certification met                                                                                                                                                                 | 001<br>Pressure                                | Prem<br>002<br>Pressure                | Yes_No_<br>Diesel<br>003<br>Ressure |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:                                                                                                                        | 001                                            | Prem<br>002                            | Yes_No_<br>Diesel                   |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech, Leak Det. or                                                                    | 001<br>Pressure<br>Veeder Root                 | Prem<br>002<br>Pressure                | Yes_No_<br>Diesel<br>003<br>Ressure |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech, Leak Det. or<br>Auto. Line Mon, Model:<br>MLD or ALM Pass                       | UNL<br>001<br>Pressure<br>Vescler Rood<br>PLLD | Prem<br>002<br>Pressure                | Yes_No_<br>Diesel<br>003<br>Ressure |                         |                          |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year Installed<br>Pass/Fall<br>Leak rate<br>3 <sup>rd</sup> Party Certification met<br>KDHE tank/line no.<br>Dispenser type:<br>Safe/Conventional/Pressure<br>Mech, Leak Det. or<br>Auto. Line Mon. Model:<br>MLD or ALM Pass<br>Function Test: Y/N | UNL<br>001<br>Pressure<br>Vescler Rood<br>PLLD | Prem<br>002<br>Pressure                | Yes_No_<br>Diesel<br>003<br>Ressure |                         |                          |

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V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.

| Fa             | acility Name<br>acility Addr          | e: <u>Ca</u> :                 | <u>Sey's Gene</u><br>2100 <u>S</u><br>Leavenworth | eral Ste               | <u>ere</u> +             | + 28                | 26                        |                    |
|----------------|---------------------------------------|--------------------------------|---------------------------------------------------|------------------------|--------------------------|---------------------|---------------------------|--------------------|
| Fa             | acility Phon                          |                                |                                                   | · .                    |                          |                     |                           | ······             |
| A              | est Contrac<br>ddress:<br>ontractor P | l                              | laselwood<br>00 Dexter<br>Clay Cente<br>285-630-  | <u>st</u><br>r, KS     | 6743                     | 2                   |                           |                    |
|                | Product                               | Leak<br>Detector<br>Model      | Serial<br>Number                                  | Line<br>PSI            | seating<br>PSI           | Slow<br>Flow<br>PSI | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail |
|                | UNL                                   | PLLD                           |                                                   | 30                     | 22                       | shut<br>Down        | 3                         | Pass               |
|                | frem                                  | PLLD                           |                                                   | 30                     | 25                       | shut<br>Down        | 3                         | Pass               |
| st             | Diesel                                | VRPLLD                         |                                                   | 34                     | 24                       | 34                  | +10                       | Fail               |
| ést            | Diesel                                | VR<br>PLLP                     |                                                   | 34                     | 24                       | shut<br>Down        | 3                         | Pass               |
|                |                                       |                                |                                                   |                        |                          |                     |                           |                    |
| Te<br>Te<br>Da | echnician:                            | Ed Hase<br>17-2015<br>Replaced | lwood<br>L Syphon J                               | Signature:<br><br><br> | <u>s</u><br>130<br>Diese | 1 ST                | P pur                     | yed.               |

| CASENG 2826<br>2100 SO. 4TH<br>LEAVENWORTH KS                        | PRESSURE LINE LEAK ALARM<br>Q f:UNLEAD LINE<br>GROSS LINE FAIL<br>MAR 17, 2015 2:22 PM                                                                                                                                                                                                                                                                                   | PRESSURE LINE LEAK ALARM<br>Q 2:PREM LINE<br>GROSS LINE FAIL<br>MAR 17, 2015 2:27 PM                                                                                                                                                                                                                                            | PRESSURE LINE LEAK ALARM<br>Q 3:DIESEL LINE<br>GROSS LINE FAIL<br>MAR 17, 2015 3:56 PM                                                                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAR 17. 2015 2:15 PM                                                 |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           |
| SYSTEM STATUS REPORT<br>ALL FUNCTIONS NORMAL<br>INVENTORY REPORT     | PRESSURE LINE LEAK ALARM<br>Q I:UNLEAD LINE<br>PLLD SHUTDOWN ALARM<br>MAR 17, 2015 2:22 PM                                                                                                                                                                                                                                                                               | PRESSURE LINE LEAK ALARM<br>Q 2:1/REM LINE<br>PLLD SHUTDOWN ALARM<br>MAR 17, 2015 2:27 PM                                                                                                                                                                                                                                       | PRESSURE LINE LEAK ALARM<br>O 3:DIESEL LÍNE<br>PLLD SHUTDOWN ALARM<br>MAR 17, 2015 3:56 PM                                                                                                                |
| (HEIGHT = 63.27 INCHES<br>WATER VOL = () GALS<br>WATER = 0.00 INCHES | FRESSURE LINE LEAK DIAG<br>MAR 17, 2015 2:32 PM                                                                                                                                                                                                                                                                                                                          | PRESSURE LINE LEAK DIAC<br>MAR 17, 2015 2:32 PM                                                                                                                                                                                                                                                                                 | PRESSURE LINE LEAK DIAG<br>MAR 17. 2015 4:12 PM<br>Q 3:DIESEL LINE                                                                                                                                        |
| TEMP = $48.5$ DEG F                                                  | Q 1:UNLEAD LINE<br>3.0 TEST PASSES                                                                                                                                                                                                                                                                                                                                       | Q 2:FREM LINE                                                                                                                                                                                                                                                                                                                   | 3.0 TEST PASSES                                                                                                                                                                                           |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$                | FON       P1       P2         MAR 17. 2015       2:31 PM         46.6       22.0       21.7         MAR 17. 2015       2:13 PM         39.8       22.0       21.9         MAR 17. 2015       2:13 PM         39.8       22.0       21.9         MAR 17. 2015       2:08 PM         33.4       21.9       22.0         MAR 17. 2015       2:05 PM         29.8       21.9 | 3.0 TEST PASSES<br>PON P1 P2<br>MAR 17. 2015 2:32 PM<br>49.9 23.0 22.1<br>MAR 17. 2015 2:12 PM<br>35.3 22.8 22.4<br>MAR 17. 2015 1:59 PM<br>39.3 23.0 22.3<br>MAR 17. 2015 12:37 PM                                                                                                                                             | PON P1 P2<br>MAR 17. 2015 4:11 PM<br>54.1 24.6 23.4<br>MAR 17. 2015 3:52 PM<br>31.7 24.3 23.5<br>MAR 17. 2015 3:43 PM<br>28.6 23.8 21.1<br>MAR 17. 2015 2:55 PM<br>41.5 26.4 23.4<br>MAR 17. 2015 2:50 PM |
| HEIGHT = 70.19 INCHES<br>WATER VOL = 0 GALS<br>WATER = 0.00 INCHES   | MAR 17. 2015       1:58 PM         31.8       22.0       22.0         3.0 TEST FAILS       PON       P1       P2         MAR 17. 2015       2:22 PM       37.2       19.4       8.6         3.0 HI PRESSURE EVENTS       PON       P1       P2         NO       TEST DATA AVAILABLE       P0                                                                             | 39.7       22.3       22.3         MAR 17. 2015 10:14 Pm       29.0       22.7         29.0       22.7       22.2         3.0 TEST FAILS       20.0       21.0         PON       P1       P2         MAR 17. 2015 2:07 PM       41.0       20.9         3.0 H1 PRESSURT EVENTS       3.0       91         PON       P1       P2 | 39.5 25.6 23.8<br>3.0 TEST FAILS<br>PON P1 P2<br>MAR 17. 2015 3:56 PM<br>46.8 12.9 7.4<br>3.0 HI PRESSURE EVENTS<br>PON P1 P2<br>NO TEST DATA AVAILABLE                                                   |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                          | NO TEST DATA AVAILABLE                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                           |

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| 10-12 UST011                                                          |                                       | KDHE Reference                                                            | e No.: Owner ID : <u>6</u>            | 6884 Facility                             | / ID: <u>30435</u> |
|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|--------------------|
| Submit to: Kansas Depa<br>Bureau<br>Storage<br>1000 SW<br>Topeka,     | accompany tai                         | nk/line tightness<br>and Environmer<br>I Remediation<br>410<br>Phone: 785 | " Exter                               | Date of Test<br>Tester I.D<br>Company IDC |                    |
| Please Print Clearly or Type I. Facility Information A. Facility Name | Casevis                               | CENERAL J                                                                 | STORE # 2826                          |                                           |                    |
|                                                                       |                                       |                                                                           | AVENWORTH ,<br>(Cily)                 |                                           | . 48               |
| C. Contact Perso<br>II. Owner Information<br>A. Owner Name            | on: <u>JILL W</u><br>: <u>CASEY's</u> | GENERAL S                                                                 | TURE                                  | _Phone: ( <u>5/5)94</u>                   |                    |
|                                                                       |                                       | ENIENCE BLV                                                               | D, ANKENY<br>(City)                   | (                                         | 021                |
| C. Owner Conta<br>III. Test Information<br>A. Test Method:            |                                       |                                                                           | Leak Threshold                        |                                           | 65 - 6238          |
| IV. Tank Systems Teste                                                | ed When perform                       | ing line tests <i>alwa</i>                                                | ys provide correspon                  | nding tank informatio                     | <u>n.</u>          |
| KDHE tank no.                                                         |                                       |                                                                           | · · · · · · · · · · · · · · · · · · · |                                           |                    |
| Total Capacity (gals)                                                 |                                       |                                                                           |                                       |                                           |                    |
| Capacity during Test (gals)                                           |                                       |                                                                           |                                       | THE ALL COMPANY OF AND COMPANY            |                    |
| Year installed                                                        |                                       |                                                                           |                                       |                                           |                    |
| Pass/Fail                                                             |                                       |                                                                           | · · · · · · · · · · · · · · · · · · · | JUN 3 0 2014                              |                    |
| Leak rate                                                             |                                       |                                                                           |                                       | AN HER SALLARS                            |                    |
| 3 <sup>rd</sup> Party Certification met                               | YesNo                                 | YesNo                                                                     | YesNo KMV                             | RONS NOTAL REMAR                          | YesNo              |
| KDHE tank/line no.                                                    | Dsh3                                  |                                                                           |                                       |                                           |                    |
| Dispenser type:<br>Safe/Conventional/Pressure                         |                                       |                                                                           |                                       |                                           |                    |
| Mech. Leak Det. or<br>Auto. Line Mon. Model:                          |                                       |                                                                           |                                       |                                           |                    |
| MLD or ALM Pass<br>Function Test: Y/N                                 | ALM<br>PASS                           |                                                                           |                                       |                                           |                    |
| Pass/Fall                                                             | PASS                                  |                                                                           | <br>                                  |                                           |                    |
| Leak rate                                                             | 3.0                                   |                                                                           |                                       |                                           |                    |
| 3 <sup>rd</sup> Party Certification met                               | Yes No                                | YesNo                                                                     | YesNo                                 | YesNo                                     | YesNo              |

V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.



# **Electronic Line Leak Detection Operability Check**

4000 Raytown Road, Kansas City, MO 64129 1355 S Young, Wichita, KS 67209

5125 SW Topeka Blvd, Topeka, KS 66609 1228 N Halstead, Hutchinson, KS 67501

5005 Murray Road, Manhattan, KS 66503 841 Commercial Circle, Enid, OK 73703

|          | Date: 3.21.14                                                                                               |                         |    |                       | TESTI              | NG PROC                     | EDURE                           |
|----------|-------------------------------------------------------------------------------------------------------------|-------------------------|----|-----------------------|--------------------|-----------------------------|---------------------------------|
|          |                                                                                                             |                         |    |                       | SENSOR F           | UNCTION P                   | ROPERLY                         |
|          | Site Name: Casey #2826                                                                                      |                         |    |                       |                    | YES OR NO                   |                                 |
|          | Site Name: <u>Casey #2826</u><br>Address <u>2105 5. 4th st</u><br>City, St Zip <u>Leavenu20rth Ks 66048</u> | ALM FUN<br>CORRE        |    |                       | ANK SUMP<br>SENSOR | DISPENSER<br>SUMP<br>SENSOR | TANK<br>INTERSTITIA<br>L SENSOR |
|          |                                                                                                             | YES                     | NO | PLLD SERIAL<br>NUMBER | TANK<br>Sen:       | DISPE<br>Su<br>Sen          | TA<br>INTER<br>L SEI            |
| ž        | Does the ALM recognize a 3.0 GPH simulated leak rate at<br>10 PSI?                                          | $\overline{\mathbf{V}}$ |    | 007-11-               | У                  | Y                           | Y                               |
| TANK #1  | Does the ALM shut down the associated submerged<br>turbine pump when the alarm is triggered?                | ~                       |    | 287748                |                    |                             |                                 |
| TANK #2  | Does the ALM recognize a 3.0 GPH simulated leak rate at<br>10 PSI?                                          |                         |    |                       |                    |                             |                                 |
| TAN      | Does the ALM shut down the associated submerged<br>turbine pump when the alarm is triggered?                |                         |    |                       |                    |                             |                                 |
| X #3     | Does the ALM recognize a 3.0 GPH simulated leak rate at<br>10 PSI?                                          |                         |    |                       |                    |                             |                                 |
| TANK #3  | Does the ALM shut down the associated submerged<br>turbine pump when the alarm is triggered?                |                         |    |                       |                    |                             |                                 |
| <b>4</b> | Does the ALM recognize a 3.0 GPH simulated leak rate at<br>10 PSI?                                          |                         |    |                       |                    |                             |                                 |
| TANK #4  | Does the ALM shut down the associated submerged<br>turbine pump when the alarm is triggered?                |                         |    |                       |                    |                             |                                 |
| 5# ¥     | Does the ALM recognize a 3.0 GPH simulated leak rate at<br>10 PSI?                                          |                         |    |                       |                    |                             |                                 |
| TANK #5  | Does the ALM shut down the associated submerged<br>turbine pump when the alarm is triggered?                |                         |    |                       |                    |                             |                                 |
|          | Does the ALM recognize a 3.0 GPH simulated leak rate at<br>10 PSI?                                          |                         |    |                       |                    |                             |                                 |
| TANK #6  | Does the ALM shut down the associated submerged<br>turbine pump when the alarm is triggered?                |                         |    | <b>1</b> .            |                    |                             |                                 |
|          | eak rate recertification performed by Red Jacket FX tester?                                                 |                         |    |                       |                    |                             |                                 |

3.0 GPH leak rate recertification performed by Red Jacket FX tester?

ALM = Automatic line monitor

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NR = Not readable

Technician Name: Justin Williams

1997年1月1日(1998年1月)(1998年1月)(1988年1月)

5. 2 1

Technician Certification #: 843484 

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|                                                                                                                                                                                                                                                                                                                                                                                               | MAR 2 7 7014                                               |                                                           |                                                             |                         |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------|-----------------------|
| 10-12 UST011                                                                                                                                                                                                                                                                                                                                                                                  |                                                            | KDHE Reference                                            | No.: Owner ID : <u>C</u>                                    | 2 <u>6884</u> Fac       | ility ID: 30435       |
| Underground Storag                                                                                                                                                                                                                                                                                                                                                                            | ge Tank Syste                                              | m                                                         |                                                             | Date of Test            | 3-19-2014             |
| Tightness Test<br>(This form mus                                                                                                                                                                                                                                                                                                                                                              | t accompany tan                                            | k/line tightness t                                        | est results)                                                | Tester I.D.             | エの9丸別/247114          |
| Submit to: Kansas Depar                                                                                                                                                                                                                                                                                                                                                                       | tment of Health                                            | and Environment                                           |                                                             |                         |                       |
|                                                                                                                                                                                                                                                                                                                                                                                               | of Environmental<br>Tank Section                           | Remediation                                               |                                                             | Company ID_             | CO 578                |
| 1000 ŠW                                                                                                                                                                                                                                                                                                                                                                                       | Jackson, Suite                                             |                                                           |                                                             |                         | end of                |
| Topeka,                                                                                                                                                                                                                                                                                                                                                                                       | KS 66612-1367                                              | Phone: 785<br>Fax: 785                                    | 296-8061<br>296-6190                                        | Signature               | the forter            |
| Please Print Clearly or Type<br>I. Facility Information                                                                                                                                                                                                                                                                                                                                       |                                                            |                                                           |                                                             |                         |                       |
| A. Facility Name                                                                                                                                                                                                                                                                                                                                                                              | : Casev's C                                                | ieneral Sta                                               | re # 2826                                                   | ^<br>>                  |                       |
| B. Facility Addre                                                                                                                                                                                                                                                                                                                                                                             | ss: 200 S                                                  | , yth                                                     | Leavenworth                                                 | KS                      | 66048                 |
| C Contast Barry                                                                                                                                                                                                                                                                                                                                                                               |                                                            | reet)<br>ams - Widd                                       | (City)                                                      | (State) (<br>Phone: ( ) | (Zip)                 |
| II. Owner Information                                                                                                                                                                                                                                                                                                                                                                         |                                                            |                                                           |                                                             | mnone: ()               | )                     |
| A. Owner Name:                                                                                                                                                                                                                                                                                                                                                                                |                                                            |                                                           | mpany                                                       |                         | -0                    |
| B. Owner Addres                                                                                                                                                                                                                                                                                                                                                                               | ss: <u>PO Box 3001</u>                                     | One Conveni<br>reet)                                      | ence Blvd, In                                               | Inkeny Z<br>(State)     | <u> 50021</u>         |
|                                                                                                                                                                                                                                                                                                                                                                                               |                                                            | Reams - 1                                                 | 1:ddet                                                      |                         | <u>965 - 6100 ext</u> |
| III. Test Information                                                                                                                                                                                                                                                                                                                                                                         |                                                            |                                                           |                                                             |                         | 102 5100 41           |
| A. Test Method:                                                                                                                                                                                                                                                                                                                                                                               | 13C 100                                                    | 00 <u>20 tes</u> t                                        | er Leak Threshold                                           | : <u>3 gph</u>          | ·····                 |
|                                                                                                                                                                                                                                                                                                                                                                                               |                                                            |                                                           |                                                             | <b>,</b> ·              |                       |
| IV. Tank Systems Teste                                                                                                                                                                                                                                                                                                                                                                        | d When perform                                             | ing line tests alwa                                       | vs provide correspo                                         | nding tank inform       | ation.                |
| IV. Tank Systems Teste<br>KDHE tank no.                                                                                                                                                                                                                                                                                                                                                       | d When perform                                             | ing line tests <i>alwa</i>                                | vs provide correspo                                         | nding tank inform       | ation.                |
|                                                                                                                                                                                                                                                                                                                                                                                               | ed When perform                                            | ing line tests <i>alwa</i>                                | vs provide correspo                                         | nding tank inform       | ation.                |
| KDHE tank no.                                                                                                                                                                                                                                                                                                                                                                                 | ed When perform                                            | ing line tests <i>alwa</i>                                | ys provide correspo                                         | nding tank inform       | ation.                |
| KDHE tank no.<br>Total Capacity (gals)                                                                                                                                                                                                                                                                                                                                                        | ed When perform                                            | ing line tests <i>alwa</i>                                | vs provide correspo                                         | nding tank inform       | ation.                |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)                                                                                                                                                                                                                                                                                                                         | ed When perform                                            | ing line tests <i>alwa</i>                                | ys provide correspo                                         | nding tank inform       | ation.                |
| Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed                                                                                                                                                                                                                                                                                                                        | ed When perform                                            | ing line tests <i>alwa</i>                                | ys provide correspo                                         | nding tank inform       | ation.                |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fall                                                                                                                                                                                                                                                                                          | YesNo                                                      | YesNo                                                     | YesNo                                                       | nding tank inform       | ation.                |
| KDHE tank no.         Total Capacity (gals)         Capacity during Test (gals)         Year installed         Pass/Fall         Leak rate                                                                                                                                                                                                                                                    |                                                            |                                                           |                                                             |                         |                       |
| KDHE tank no.<br>Total Capacity (gals)<br>Capacity during Test (gals)<br>Year installed<br>Pass/Fall<br>Leak rate                                                                                                                                                                                                                                                                             | YesNo                                                      | YesNo                                                     | YesNo                                                       |                         |                       |
| KDHE tank no.         Total Capacity (gals)         Capacity during Test (gals)         Year installed         Pass/Fall         Leak rate         3 <sup>rd</sup> Party Certification met                                                                                                                                                                                                    | YesNo<br>ن ی ل                                             | Yes_No_<br>Prem<br>002                                    | Yes_No_<br>Diesel                                           |                         |                       |
| KDHE tank no.         Total Capacity (gals)         Capacity during Test (gals)         Year installed         Pass/Fall         Leak rate         3 <sup>rd</sup> Party Certification met         KDHE tank/line no.         Dispenser type:         Safe/Conventional/Pressure         Mech, Leak Det, or                                                                                   | Yes_No_<br>UNIL<br>OO 1<br>Pressure<br>Veeder Rog-         | Yes <u>No</u><br>Prem<br>002<br>Pressure                  | Yes_No_<br>Diesel<br>DO 3<br>Pressure                       |                         |                       |
| KDHE tank no.         Total Capacity (gals)         Capacity during Test (gals)         Year installed         Pass/Fall         Leak rate         3 <sup>rd</sup> Party Certification met         KDHE tank/line no.         Dispenser type:         Safe/Conventional/Pressure                                                                                                              | Yes_No_<br>UNL<br>OOI<br>Pressure                          | Yes_No_<br>Prem<br>002                                    | Yes_No_<br>Diesel<br>DO3                                    |                         |                       |
| KDHE tank no.         Total Capacity (gals)         Capacity during Test (gals)         Year installed         Pass/Fall         Leak rate         3 <sup>rd</sup> Party Certification met         KDHE tank/line no.         Dispenser type:         Safe/Conventional/Pressure         Mech, Leak Det, or                                                                                   | Yes_No_<br>UNIL<br>OO 1<br>Pressure<br>Veeder Rog-         | Yes <u>No</u><br>Prem<br>002<br>Pressure                  | Yes_No_<br>Diesel<br>DO 3<br>Pressure                       |                         |                       |
| KDHE tank no.Total Capacity (gals)Capacity during Test (gals)Year installedPass/FallLeak rate3rd Party Certification metKDHE tank/line no.Dispenser type:<br>Safe/Conventional/PressureMech. Leak Det. or<br>Auto. Line Mon. Model:MLD or ALM Pass                                                                                                                                            | Yes_No_<br>UNIL<br>OO 1<br>Pressure<br>VeederRoop-<br>PLLD | Yes_No_<br>Prem<br>002<br>Pressure<br>Veeder Root<br>PLLD | Yes_No_<br>Diesel<br>DO 3<br>Pressure<br>VeederRoot<br>PLLD |                         |                       |
| KDHE tank no.         Total Capacity (gals)         Capacity during Test (gals)         Year installed         Pass/Fall         Leak rate         3 <sup>rd</sup> Party Certification met         KDHE tank/line no.         Dispenser type:         Safe/Conventional/Pressure         Mech, Leak Det, or         Auto, Line Mon, Model:         MLD or ALM Pass         Function Test; Y/N | Yes_No_<br>UNIL<br>OO 1<br>Pressure<br>VeederRoop-<br>PLLD | Yes_No_<br>Prem<br>002<br>Pressure<br>Veeder Root<br>PLLD | Yes_No_<br>Diesel<br>DO 3<br>Pressure<br>VeederRoot<br>PLLD |                         |                       |

V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.

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## TSC 1000 Leak Detector Tester DATA COLLECTION AND REPORT FORM

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|                                                                                                        |          | Address: <u>2100 5 4<sup>th</sup></u><br>Leavenworth, KS 66048 |                  |             |                |                     |                           |                    |
|--------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------|------------------|-------------|----------------|---------------------|---------------------------|--------------------|
| Facilit                                                                                                | ty Phone |                                                                | <u> </u>         | Test Date:  |                |                     |                           |                    |
| Test Contractor:Haselwood IncAddress:100 Dexter StClay Center, KS 67432Contractor Phone #:785-630-0299 |          |                                                                |                  |             |                |                     |                           |                    |
| Pr                                                                                                     | oduct    | Leak<br>Detector<br>Model                                      | Serial<br>Number | Line<br>PSI | Seating<br>PSI | Slow<br>Flow<br>PSI | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail |
|                                                                                                        | NL       | PLLD                                                           |                  | 32          | 25             | Stut<br>Down        | 3                         | Pass               |
| LV                                                                                                     |          |                                                                |                  |             |                | Shur                | -                         | Pass               |
|                                                                                                        | rem      | PLLD                                                           |                  | 32          | 27             | Down                | 3                         | 1000               |
| Pr                                                                                                     |          |                                                                |                  | 32<br>40    | 2.7            | 000n<br>40          | <u> </u>                  | Fail               |
| Pr                                                                                                     | rem      | PLLD                                                           |                  |             |                |                     |                           |                    |
| Pr                                                                                                     | rem      | PLLD                                                           |                  |             |                |                     |                           |                    |

| Technician:_ | Ed Haselwood  | <u>A</u> Signature: | Sel Thenlard |             |           |
|--------------|---------------|---------------------|--------------|-------------|-----------|
| Date: 🔊      | 10:30         | Time:               | 3-19-2014    | ·····       |           |
|              |               | ohon jet in         |              |             |           |
| corrosion    | particles aga | in found in Syr     | shon jet.    | Double chec |           |
|              |               | 1 lines purged +    |              |             | insta ria |

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PRESSURE LINE LEAK ALARM Q 1:UNLEAD LINE GROSS LINE FAIL MAR 19, 2014 9:32 AM

PRESSURE LINE LEAK ALARM 1 2: PREM LINE GROSS LINE FAIL MAR 19, 2014 9:35 AM

CASEYS 2826 2100 SO. 4TH LEAVENWORTH KS

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MAR 19. 2014 8:27 AM

SYSTEM STATUS REPORT -----... ALL FUNCTIONS NORMAL

INVENTORY REPORT

| T 1:UNLEADED<br>VOLUME = 10231 GAL<br>ULLAGE = 9720 GAL<br>90% ULLAGE = 7724 GAL<br>TC VOLUME = 10339 GAL<br>HEIGHT = 60.85 INC<br>WATER VOL = 0 GAL<br>WATER = 0.00 INC<br>TEMP = 44.9 DEG                     | S<br>S<br>S<br>HES<br>S PRESSURE LINE LEAK DIAG<br>HES MAR IN SILA SILA                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T 2:PREMIUM<br>VOLUME = 4011 GAL<br>ULLAGE = 7862 GAL<br>90% ULLAGE= 6674 GAL<br>TC VOLUME = 4042 GAL<br>HEIGHT = 45.13 INC<br>WATER VOL = 0 GAL<br>WATER = 0.00 INC<br>TEMP = 49.1 DEG                         | S 3.0 TEST PASSES<br>S PON PI P2<br>HES MAR 19, 2014 9:42 AM<br>S 45.3 21.5 20.8<br>HES MAR 19 2015                                                                                                                                                                                                                                                               |
| T 3:DIESEL<br>VOLUME = 2885 GAL<br>ULLAGE = 5646 GAL<br>90% ULLAGE= 4792 GAL<br>TC VOLUME = 2899 GAL<br>HEIGHT = 44.29 INC<br>WATER VOL = 0 GAL<br>WATER = 0.00 INC<br>TEMP = 49.1 DEG<br>* * * * * END * * * * | 34.0       21.4       21.0         S       MAR 19, 2014       9:09 AM         S       29.6       21.4       21.0         S       39.5       21.4       9:04 AM         S       39.5       21.5       21.0         HES       3.0 TEST FAILS       9:02 AM         F       PON       P1       P2         MAR 19, 2014       9:32 AM       37.9       19.1       8.3 |

PRESSURE LINE LEAK ALARM Q 1:UNLEAD LINE PLLD SHUTDOWN ALARM MAR 19, 2014 9:32 AM

NO TEST DATA AVAILABLE

PRESSURE LINE LEAK DIAG MAR 19, 2014 9:43 AM

PRESSURE LINE LEAK ALARM

PLLD SHUTDOWN ALARM

MAR 19, 2014 9:35 AM

#### Q 2:PREM LINE

Q 2: PREM LINE

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| 3.0 TES         | ST PAS | SES              |            |          |
|-----------------|--------|------------------|------------|----------|
| PON             | PI     |                  | <br>02     | -        |
| MAR 19,         | 2014   | 9:42             | AM         |          |
| 48.1            | 22.    | 8                | 21.8       |          |
| MAR 19,<br>33.5 | 2014   | 6<br>8:18        | AM<br>DD D |          |
| MAR 19.         | 2014   | 7:24             | ΔM         |          |
| 29.5            | 22.    | 5                | 21.9       |          |
| MAR 18,<br>39.1 |        |                  |            |          |
|                 | 2014   | $\frac{7}{6:57}$ | 22.U<br>M⊄ |          |
| 29.5            | 22,    | 5                | 22.0       |          |
| 3.0 TES         | T FAI  | 19               |            |          |
|                 |        |                  |            | <b>~</b> |
| PON             | P1     |                  | P2         |          |
| MAR 19,         | 2014   | 9:35             | AM         |          |
| 40.0            | 20.    | 5                | 9.4        |          |
| 3.0 HI          | PRESS  | URE E            | VENTE      | 3        |
| PON             | <br>וס |                  | ь-<br>ро   | -        |
| NO TEST         | DATA   | AVAIL            | ABLE       |          |

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|-----------------------------------------------|----------------------------------|---------------------|---------------------------|----------------------------|---------------------------|
|                                               | MAY 0                            | ATT                 |                           |                            |                           |
| 10-12 UST011                                  | Ó                                | KDHE Referen        | nce No.: Owner ID         | : <u>06884</u> Facilit     | y ID: 30435               |
| Underground Stora                             | ge Tank Syste                    | em                  |                           | Date of Test               | 300 5-2-13                |
| Tightness Test<br>(This form mus              | at accompany ta                  | nk/line tightnes    | s test results)           | Tester I.D.                | 20 975 1 6.29 )           |
| Submit to: Kansas Depa<br>Bureau              | rtment of Health of Environmenta |                     | ent                       | Company ID                 | CO 578 0                  |
| Storage                                       | Tank Section<br>Jackson, Suite   |                     |                           |                            | 0 /                       |
|                                               | KS 66612-1367                    | Phone: 7            | 35 296-8061<br>5 296-6190 | Signature                  | El Honhing                |
| Please Print Clearly or Type                  |                                  | F8X; /(             | 5 296-6190                |                            |                           |
| I. Facility Information                       | Cocosis                          | Second S.           | tore # 282                |                            |                           |
| B. Facility Addre                             |                                  | S yth               | Ceavenwort<br>(City)      |                            | F32 66048                 |
| C. Contact Pers                               |                                  |                     |                           | (State) (Zip<br>Phone: ( ) | )                         |
| II. Owner Information                         |                                  |                     |                           | F110116. ()                |                           |
| A. Owner Name<br>B. Owner Addre               |                                  |                     |                           | Ankeny Il                  | 50021                     |
|                                               |                                  |                     |                           | Rinkeny Il<br>(State) (Zip |                           |
| C. Owner Conta<br>III. Test Information       |                                  |                     |                           | <b>~</b>                   | <u>65 · 6100 ext</u> 6238 |
| A. Test Method                                | : <u>75C 10</u>                  | 00 LD te            | ster Leak Threst          | nold: <u>Jgph</u>          |                           |
| IV. Tank Systems Teste                        | ed When perform                  | ning line tests alw | vays provide corres       | ponding tank information   | on.                       |
| KDHE tank no.                                 | ····                             | <br>                |                           |                            |                           |
| Total Capacity (gals)                         |                                  | ····-               |                           |                            | · · ·                     |
| Capacity during Test (gals)                   |                                  |                     |                           |                            |                           |
| Year installed                                |                                  |                     |                           |                            |                           |
| Pass/Fail                                     |                                  |                     |                           |                            |                           |
| Leak rate                                     |                                  |                     |                           |                            |                           |
| 3 <sup>re</sup> Party Certification met       | YesNo                            | YesNo               | YesNo                     | YesNo                      | YesNo                     |
|                                               | Diesel                           | [                   | - <u></u>                 |                            | ·····                     |
| KDHE tank/line no.                            | 003                              |                     |                           |                            |                           |
| Dispenser type:<br>Safe/Conventional/Pressure | Aessure                          |                     |                           |                            |                           |
| Mech. Leak Det. or<br>Auto, Line Mon. Model;  | Veeder Root<br>PLLD              |                     |                           |                            |                           |
| MLD or ALM Pass                               |                                  |                     |                           |                            |                           |
| Function Test: Y/N                            | Y                                | ļ                   | <u>_</u>                  |                            | <u>+</u>                  |
| Pass/Fall                                     |                                  |                     |                           |                            |                           |
| Leak râle                                     |                                  |                     |                           |                            |                           |
| 3 <sup>rd</sup> Party Certification met       | YesNo                            | YesNo               | YesNo                     | YesNo                      | YesNo                     |

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### V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.

### TSC 1000 Leak Detector Tester DATA COLLECTION AND REPORT FORM

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|                                            |                           | ey's General S<br>2100 S 4th<br>eavenworth               |             |                |                     |                           |                    |
|--------------------------------------------|---------------------------|----------------------------------------------------------|-------------|----------------|---------------------|---------------------------|--------------------|
| Facility Phone                             | e:                        | Te                                                       | est Date:   | 5-2            | -201                | 3                         |                    |
| Test Contract<br>Address:<br>Contractor Ph | l<br>c                    | laselwood I<br>00 Dexter 3<br>Clay Center,<br>785-630-0; | S+<br>KS    | 6743           | 2                   |                           |                    |
| Product                                    | Leak<br>Detector<br>Model | Serial<br>Number                                         | Line<br>PSI | Seating<br>PSI | Siow<br>Flow<br>PS1 | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail |
| Diesel                                     | PLLO                      | 287748                                                   | 30          | 25             | shut<br>Down        | 3                         | Pass               |
|                                            |                           |                                                          |             |                |                     |                           |                    |
|                                            | <u></u>                   |                                                          |             |                |                     |                           |                    |
|                                            |                           |                                                          | 1           |                |                     |                           |                    |
|                                            |                           | ······································                   |             |                |                     |                           |                    |
|                                            |                           |                                                          |             |                |                     | . <u></u>                 |                    |
| Test<br>Technician:<br>Date:5              | Ed Ha<br>-2-2013          | <u>selwood</u> Sig<br>Ti                                 | mature:     | El 1           | techen              |                           |                    |
| Comments:                                  |                           |                                                          |             |                |                     |                           |                    |

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FREGSURE LINE LEAD ALART 9 3001ESEL LINE 0ROSS LINE FAIL MAY 25 2013 2008 FM

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FRESSURE LINE LEAD ALARM Q 3:DIESEL LINE FLLD SHUTDOWN ALARM MAY 2: 2013 2:08 FM

PRESSURE LINE LEAR DIAG MAY 2, 2013 2:14 PM

#### OF BUILDESEL LINE

| 3.0 TE | ST PASSES   |               |
|--------|-------------|---------------|
|        | · ·         |               |
| PON    | - F1        | 1/2           |
|        | 2013 2:1    |               |
| 34.6   | 22.4        | 21.5          |
| MAY 2. | -2013 - 1:5 | 四月日二          |
| 37.1   | 22.8        | 13.0          |
| MAY 2. | 2013 1:.    | 生物            |
| 35.1   |             | 23.0          |
| MAY 2. | 2013 114    | 25 144        |
| 28.3   | 221.7       | $0 \approx 0$ |
| Har 2. | 2013 1.34   | 1 (1)         |
| 28,8   | 22/34       |               |
|        |             |               |

### GLU TEST FAILS

| PON             | F-1               | 1.2           |
|-----------------|-------------------|---------------|
| 1467 ∷.<br>20 ŭ | 2013              | 10.149        |
| JUN 5.          | 13.2<br>2009 11:1 | 10.4<br>55 AM |
| 17.4            |                   | 2.1           |

3.0 HI FRESSORE EVENTS. FON F1 F2

NO TEST LATA AVAILABLE

|                                                                                               |                                                                                           | Paso                                                                      |                                                   |                                                                 |                                                |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------|
|                                                                                               |                                                                                           | MAR 2 6 2013                                                              |                                                   |                                                                 |                                                |
| 10-12 UST011                                                                                  |                                                                                           | KDHE Referenc                                                             | e No.: Owner ID : <u>(</u>                        | 2 <u>6884</u> Facilii                                           | IV ID: 30435                                   |
| Submit to: Kansas Depa<br>Bureau o<br>Storage<br>1000 SW                                      | t accompany tar                                                                           | nk/line tightness<br>and Environmen<br>I Remediation<br>410<br>Phone: 785 | t                                                 | Date of Test<br>Tester I.D <b>JU</b><br>Company ID<br>Signature | 3-20-2013<br>20175 DE<br>CO 578                |
| B. Facility Addre                                                                             | ss: <u>2100 S</u><br>(S                                                                   | <u>ieneral Sta</u><br><u>yth</u><br>treet)<br>coms - Widd                 | <u>Leavenwort</u><br>(City)                       | (State) (Zij                                                    | 66048                                          |
| II. Owner Information<br>A. Owner Name:<br>B. Owner Addres<br>C. Owner Contac                 | <u>Casey's</u><br>ss: <u>PO Box 3001</u><br>(S<br>ct Person: <u>Ji)</u><br><u>7SC 100</u> | Retail Co<br>One Conveni<br>(Reams - 1<br>(O) LD test                     | mpany<br>ence Blvd, A<br>(City)<br>Leak Threshold | : <u>39ph</u>                                                   | $\frac{-}{65} - \frac{50021}{600 \text{ ext}}$ |
| KDHE tank no.                                                                                 |                                                                                           |                                                                           |                                                   |                                                                 |                                                |
| Total Capacity (gals)                                                                         |                                                                                           |                                                                           |                                                   |                                                                 |                                                |
| Capacity during Test (gals)                                                                   |                                                                                           |                                                                           |                                                   |                                                                 |                                                |
| Year installed                                                                                |                                                                                           |                                                                           | · · · · · · · · · · · · · · · · · · ·             |                                                                 |                                                |
| Pass/Fail                                                                                     |                                                                                           |                                                                           |                                                   |                                                                 |                                                |
| Leak rate                                                                                     |                                                                                           |                                                                           |                                                   |                                                                 |                                                |
| 3 <sup>rd</sup> Party Certification met                                                       | Yes_No                                                                                    | Yes_No<br>Prem                                                            | Yes No Diesel                                     | YesNo                                                           | YesNo                                          |
| KDHE tank/line no.                                                                            | 001                                                                                       | 002                                                                       | 003                                               |                                                                 |                                                |
| Dispenser type:<br>Safe/Conventional/Pressure<br>Mech, Leak Det. or<br>Auto, Line Mon, Model: | PITESSUFE<br>Veeder Root<br>PLLD                                                          | PESSURE<br>Veeder Roct<br>PLLD                                            | Pressure<br>Vesder Root<br>PLLD                   | NV                                                              |                                                |
| MLD or ALM Pass<br>Function Test: Y/N                                                         | Y                                                                                         | Ŷ                                                                         | M                                                 |                                                                 |                                                |
| Pass/Fail                                                                                     |                                                                                           |                                                                           | <u> </u>                                          | 1                                                               |                                                |
| Leak rate                                                                                     |                                                                                           |                                                                           |                                                   |                                                                 |                                                |
| 3 <sup>rd</sup> Party Certification met                                                       | YesNo                                                                                     | Yes <u>No</u>                                                             | Yes_No_                                           | YesNo                                                           | YesNo                                          |

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V. If tank or line has falled, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061.

### TSC 1000 Leak Detector Tester DATA COLLECTION AND REPORT FORM

| acility Addr                 | ress:                                                                                                                                | Leavenworth, KS 66048  |             |                   |                     |                           |                    |  |  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------|-------------------|---------------------|---------------------------|--------------------|--|--|
| acility Phon                 | ie:                                                                                                                                  | T                      | est Date:   | 3-2               | 0-20                | 13                        |                    |  |  |
| ddress:                      | Contractor: <u>Haselwood Inc</u><br>ess: <u>100 Dexter St</u><br><u>Clay Center, KS 67432</u><br>ractor Phone #: <u>785-630-0299</u> |                        |             |                   |                     |                           |                    |  |  |
| Product                      |                                                                                                                                      | Serial<br>Number       | Line<br>PSI | Seating<br>PSI    | Slow<br>Flow<br>PSI | Flow<br>Rate<br>at 10 PSI | Pass<br>or<br>Fail |  |  |
| UNL                          | VR<br>PLLD                                                                                                                           | 287 489                | 30          | 23                |                     | 3                         | Pass               |  |  |
| Arem                         | PLID                                                                                                                                 | 2884,32                | 30          |                   | Shut<br>Down        |                           | Pass               |  |  |
| Diesel                       | VRPLLD                                                                                                                               | 287748                 | 35 7042     | 26<br>to 3.3      | 34                  | 15+                       | Fail               |  |  |
|                              |                                                                                                                                      |                        |             |                   |                     |                           |                    |  |  |
|                              |                                                                                                                                      |                        |             |                   |                     |                           |                    |  |  |
| est<br>echnician:<br>ate:3 - | Ed Hase<br>20-201                                                                                                                    | <u>lwood</u> sig<br>3T | mature:     | <u>el</u><br>2100 | tfenh<br>PM         |                           |                    |  |  |
|                              |                                                                                                                                      |                        |             |                   |                     |                           |                    |  |  |

Q 3:DIESEL LINE

3.0 GAL/HR RESULTS:

LAST TEST: MAR 20,2013 10:00AM PASS

| NUMBER | 0F | TESTS  | PAS | SED |
|--------|----|--------|-----|-----|
| PREV   | 24 | HOURS  | :   | 9   |
| SINCE  | ΠM | DNIGHT | :   | 6   |

0.20 GAL/HR RESULTS:

| MAR | 19,2013 | 3:22PM  | PASS |   |
|-----|---------|---------|------|---|
| MAR | 15,2013 | 6:40PM  | PASS |   |
| Mar | 11,2013 | 9:08AM  | PASS |   |
| Mar | 7,2013  | 9:40AM  | PASS |   |
| Mar | 3,2013  | 9:01AM  | PASS |   |
| FEB | 27,2013 | 8:56AM  | PASS |   |
| FEB | 23,2013 | 11:36AM | PASS |   |
| FEB | 19,2013 | 9:51AM  | PASS |   |
| FEB | 15,2013 | 8:59AM  | PASS |   |
| FEB | 11,2013 | 9:26AM  | PASS | • |

0.10 GAL/HR RESULTS:

| DEC | 5,2012  | 5:55PM  | PASS |
|-----|---------|---------|------|
| JUN | 4,2012  | 5:39PM  | PASS |
| DEC | 3,2011  | 1:48PM  | PASS |
| JUN | 2.2011  | 2:53PM  | PASS |
| NOV | 30,2010 | 12:47PM | PASS |
| MAY | 30,2010 | 7:06PM  | PASS |
| NOV | 27,2009 | 4:23PM  | PASS |
| MAY | 27,2009 | 11:40AM | PASS |
|     |         |         |      |

PRESSURE LINE LEAK DIAG MAR 20, 2013 12:01 PM

Q 3:DIESEL LINE

3.0 TEST PASSES

| PON                                    | P1 P2                                                |
|----------------------------------------|------------------------------------------------------|
| MAR 20,                                | 2013 12:00 PM                                        |
| 40.9                                   | 29.0 25.5                                            |
| MAR 20,                                | 2013 11:58 AM                                        |
| 35.6                                   | 27.4 24.4                                            |
| MAR_20+                                | 2013 11:23 AM                                        |
| 42.5                                   | 28.5 26.2                                            |
| MAR 20                                 | 2013 11:19 AM                                        |
| 34.9                                   | 19.5 19.2                                            |
|                                        | 2013 11:16 AM                                        |
| 40.2                                   | 27.2 25.8                                            |
|                                        |                                                      |
| 3.0 TES                                | 1                                                    |
| 3.0 TES                                | ST FAILS                                             |
|                                        | ST FAILS                                             |
| PON                                    | BT FAILS                                             |
| PON                                    | BT FAILS                                             |
| PON<br>JUN 5,                          | BT FAILS                                             |
| PON<br>JUN 5.<br>17.4                  | BT FAILS                                             |
| PON<br>JUN 5,<br>17.4<br>3.0 HI        | PI P2<br>2009 11:55 AM<br>5.2 2.1<br>PRESSURE EVENTS |
| PON<br>JUN 5,<br>17.4<br>3.0 HI<br>PON | PI P2<br>2009 11:55 AM<br>5.2 2.1<br>PRESSURE EVENTS |

CASEYS 2826 2100 SO, 4TH LEAVENWORTH KS

MAR 20, 2013 10:03 AM

PRESSURE LINE LEAK ALARM Q 2:PREM LINE GROSS LINE FAIL MAR 20, 2013 10:39 AM

PRESSURE LINE LEAK ALARM Q 1:UNLEAD LINE PLLD SHUTDOWN ALARM MAR 20, 2013 10:33 AM

PRESSURE LINE LEAK ALARM

MAR 20, 2013 10:33 AM

Q 1:UNLEAD LINE GROSS LINE FAIL

PRESSURE LINE LEAK DIAG MAR 20, 2013 10:45 AM

**0 1:UNLEAD LINE** 

|                                                      | ST PASSES                                                                                             |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| PON                                                  | P1 P2                                                                                                 |
| MAR 20.                                              | 2013 10:44 AM                                                                                         |
| 46.2                                                 | 22.2 21.5                                                                                             |
| MAR 20.                                              | 2013 10:23 AM                                                                                         |
| 30.1                                                 | 22.1 21.9                                                                                             |
| MAR 20.                                              | 2013 10:20 AM                                                                                         |
| 30.2                                                 | 22.1 21.8                                                                                             |
| MAR 207                                              | 2013 10:19 AM                                                                                         |
| 38.7                                                 | 22.3 21.8                                                                                             |
| MAR 20,                                              | 2013 10:16 AM                                                                                         |
| 29.8                                                 | 22.2 21.9                                                                                             |
|                                                      | ST FAILS                                                                                              |
| PON                                                  | P1 P2                                                                                                 |
|                                                      |                                                                                                       |
| MAR 20,                                              |                                                                                                       |
| MAR 20,<br>34,2                                      | 2013 10:33 AM                                                                                         |
|                                                      | 2013 10:33 AM<br>19.6 9.8<br>2010 4:38 PM                                                             |
| . 34.2                                               | 2013 10:33 AM<br>19.6 9.8                                                                             |
| . 34.2<br>MAY 14.<br>29.3<br>MAY 27.                 | 2013 10:33 AM<br>19.6 9.8<br>2010 4:38 PM<br>11.0 11.0<br>2009 10:20 AM                               |
| 34.2<br>MAY 14.<br>29.3                              | 2013 10:33 AM<br>19.6 9.8<br>2010 4:38 PM<br>11.0 11.0<br>2009 10:20 AM                               |
| 34.2<br>MAY 14.<br>29.3<br>MAY 27.<br>41.7<br>3.0 HI | 2013 10:33 AM<br>19.6 9.8<br>2010 4:38 PM<br>11.0 11.0<br>2009 10:20 AM<br>5.5 6.3<br>PRESSURE EVENTS |
| 34.2<br>MAY 14.<br>29.3<br>MAY 27.<br>41.7<br>3.0 HI | 2013 10:33 AM<br>19.6 9.8<br>2010 4:38 PM<br>11.0 11.0<br>2009 10:20 AM<br>5.5 6.3                    |

PRESSURE LINE LEAK ALARM Q 2:PREM LINE PLLD SHUTDOWN ALARM MAR 20, 2013 10:39 AM

PRESSURE LINE LEAK DIAG MAR 20, 2013 10:46 AM

Q 2:PREM LINE

| 3.0 TES1          | r passes                  |
|-------------------|---------------------------|
|                   | P1 P2                     |
|                   | 2013 10:45 AM             |
| 48.1              | 22.6 21.7                 |
| MAR 20, :         | 2013 9:13 AM              |
| 29.8              | 22.5 21.9                 |
| MAR_20, :         | 2013 8:35 AM<br>22.6 21.8 |
| 39.5              | 22.6 21.8                 |
| MAR 20 :          | 2013 8:04 AM              |
| 29.7              | 22.4 21.7<br>2013 8:45 PM |
| MAR 19. 1<br>39.6 | 22.6 21.8                 |
| 32.0              | 22.0 21.0                 |
| 3.0 TES           | T FAILS                   |
|                   |                           |
| PON               | P1 P2                     |
| MAR 20            | 2013 10:39 AM             |
| 36.3              | 20.2 11.2                 |
| JAN 13.           | 2012 2:24 PM              |
| 18                | 15 1.4                    |
| NOV 24-           | 2011 4:35 PM<br>3.0 3.3   |
| 3.0               | 3.0 3.3                   |
| JUN 5,            | 2009 12:01 PM             |
| 29,9              | 14.7 6.8                  |
| MAY 27            | 2009 10:44 AM             |
| 28,8              | 6.9 7.3                   |
| 3 0 BI            | PRESSURE EVENTS           |
|                   |                           |
| PON               | P1 P2                     |
| NO TEST           | DATA AVAILABLE            |

| 10-01 U                  | ST011. 9                                                                      | KDHI                                      | E Reference No: O       | wner I.D.                             | Facil          | ity I.D                                   |
|--------------------------|-------------------------------------------------------------------------------|-------------------------------------------|-------------------------|---------------------------------------|----------------|-------------------------------------------|
| UNDERC<br><b>Tightne</b> | ROUND STOP                                                                    | RAGE TANK                                 | SYSTEM                  | r                                     |                |                                           |
| (This fo                 | orm must accompar                                                             | ny tank tightness                         | s results)              |                                       |                |                                           |
| SUBMIT TC                | ): KANSAS DEPT<br>BUREAU OF EI<br>STORAGE TAN<br>1000 SW JACKS<br>TOPEKA, KAN | NVIRONMENT<br>IK SECTION<br>SON, SUITE 41 | 7 PHONE: 785            | N                                     | Tester I.D. IC | 108/2009<br>1949-1<br>D147<br>Il O Yorgon |
|                          | Please Print Clea                                                             | rly or Type                               |                         | L                                     |                |                                           |
| I.                       | FACILITY INFO                                                                 | RMATION                                   |                         |                                       |                |                                           |
|                          | A. Facility Nan                                                               | ne CASEY'S 28                             | 26                      |                                       |                |                                           |
|                          | B. Address                                                                    |                                           | ST LEAVENWOR<br>reet) ( | TH, KS. 66048<br>city)                | (state) (zip)  |                                           |
|                          | C. Contact                                                                    | SUE @ CAS                                 | EY'S                    |                                       |                | 5 965-6167                                |
| П.                       | . TANK OWNER                                                                  | INFORMATI                                 | ON                      |                                       |                |                                           |
|                          |                                                                               |                                           | ENERAL STORES           |                                       |                |                                           |
|                          | B. Owner Addre                                                                | ss <u>ONE CONV</u>                        | ENIENCE BLVD            | ANKEN                                 | Y,IA50021      |                                           |
|                          | C. Owner Conta                                                                | ct Person                                 | LL REAMS-WIDD           | ER                                    | Phone 51       | 5 965-6238                                |
|                          | I. Test Informati<br>A. Tester Metho<br>7. Tank Systems T                     | d VacuTect                                |                         | B. Leak Thresho<br>Ilways provide con | old:           | mation!                                   |
|                          | KDHE tank                                                                     | no                                        | 1                       | 2                                     | 3              |                                           |
|                          | Tank Capaci<br>(Gallons)                                                      | ty                                        | 20000                   | 12000                                 | 8000           |                                           |
|                          | Capacity dur                                                                  | ing Test(gals)                            | 0                       | 0                                     | 0              | 0                                         |
|                          | Year installe                                                                 | d                                         | 2009                    |                                       |                |                                           |
|                          | Pass/Fail                                                                     |                                           | PASS                    |                                       |                | · · · · · · · · · · · · · · · · · · ·     |
|                          | Leak rate                                                                     |                                           | 0.000                   |                                       |                |                                           |
|                          | 3rd Party Ce                                                                  | rtification met                           | Yes <u>X</u> No         | Yes No                                | _ Yes No       | Yes No                                    |
|                          |                                                                               |                                           |                         |                                       |                |                                           |
|                          | KDHE tank                                                                     | /line no                                  |                         |                                       |                |                                           |
|                          | Dispenser t                                                                   | -                                         |                         |                                       |                |                                           |
|                          | Safe/Convention<br>Mech.Leak                                                  |                                           |                         |                                       |                | <u> </u>                                  |
|                          | Model:                                                                        |                                           |                         |                                       |                |                                           |
|                          | MLD operating<br>Y/N                                                          | correctly:                                |                         |                                       |                |                                           |
|                          | Pass/Fail                                                                     |                                           |                         |                                       |                |                                           |
|                          | Leak rate                                                                     |                                           | •                       |                                       |                |                                           |
|                          | 3rd Party Ce                                                                  | ertification met                          | Yes No                  | Yes No                                | YesNo          | Yes No                                    |

V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061



| Tanknology 8                                     | TANKNOLO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DGY CERTIFIC<br>RESSWAY, SUITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                                                                                                                                                                                                                                                                        |                             |             |
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| PURPOSE: COMPLIANCE                              | TEST RES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SULT SUMMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | RY REPOR             | RT                                                                                                                                                                                                                                                                     |                             |             |
| TEST DATE: 06/08/09                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      | WORK ORD                                                                                                                                                                                                                                                               | ER NUMBER: 6                | 330027      |
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| CLIENT: CASEY'S GENERAL STORES                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | : CASEY'S 2820       | 6                                                                                                                                                                                                                                                                      |                             |             |
| ONE CONVENIENCE BLVD                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2100 S 4TH S         | т                                                                                                                                                                                                                                                                      |                             |             |
| P.O. BOX 3001                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LEAVENWOR            | TH, KS 66048                                                                                                                                                                                                                                                           | 3                           |             |
| ANKENY, IA 50021                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                                                                                                                                                                                                                                                                        |                             |             |
| JILL REAMS-WIDDER                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SUE @ CASE           | Y'S                                                                                                                                                                                                                                                                    |                             |             |
| (515)965-6238                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (515)965-6167        | ,                                                                                                                                                                                                                                                                      |                             |             |
|                                                  | Tank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u>Tightness Tes</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ts Results           | TEST                                                                                                                                                                                                                                                                   | TYPE: VacuTec               | t           |
| TANK IRCODUST                                    | TZANIK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ū/AINIK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | PRODUCT                                                                                                                                                                                                                                                                | LEXTRE RANKALL <sup>®</sup> |             |
|                                                  | CAPACITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Statement of the second state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LAGEROAN             | NEWEL                                                                                                                                                                                                                                                                  | WANGRI LEWEL                |             |
| 1 UNLEADED                                       | 20,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FIBERG               | 94.50                                                                                                                                                                                                                                                                  | 155.00                      | PASS        |
| 2 PREMIUM                                        | 12,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FIBERG               |                                                                                                                                                                                                                                                                        |                             |             |
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| *Where regulations require, for VacuTect externa |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                                                                                                                                                                                                                                                                        | t can be confirmed          | l dry.      |
|                                                  | AND REAL PROPERTY OF THE PARTY | Pipe Tightness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>s Test Result</u> | is<br>National and the second s |                             |             |
| UNE UNE DELU<br>ID MATERIAL TRA                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FINALUE              |                                                                                                                                                                                                                                                                        | ida) vies<br>vien           |             |
|                                                  | A B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C D /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | a. B                 | : C [                                                                                                                                                                                                                                                                  |                             | FUNCTION    |
| 1                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                                                                                                                                                                                                                                                                        |                             |             |
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|                                                  | Existing<br>LEAK DETECTOR#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | g Line Leak De                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tector Test          |                                                                                                                                                                                                                                                                        |                             |             |
|                                                  | CARDEN STATES AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 北部间是这些地址的在非正确的。      |                                                                                                                                                                                                                                                                        | AKIDETECTOR                 |             |
| ID MANUFACTURER MODE                             | IL# SERIAL(                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IMANUF/ACTIU         | rer Moi                                                                                                                                                                                                                                                                | der 🛛 🖓 Re                  | RIAL#) RESU |
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|                                                  | EAK DETECTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      | REPLACED                                                                                                                                                                                                                                                               | EAKIDETECTO                 | R#2         |
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| For owner detailed report information, visit www | tanknology.com and s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | elect On-Line Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ts-WRAP, or cont     | act your local Ta                                                                                                                                                                                                                                                      | anknology office            | I           |
| Tester Name: BON VOBCOVAN                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ian Certification    |                                                                                                                                                                                                                                                                        |                             |             |
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# Tanknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334

WORK ORDER NUMBER6330027 SITE: CASEY'S 2826

|                      |           | TANKINFORMATION               |                               |       |
|----------------------|-----------|-------------------------------|-------------------------------|-------|
| Tank ID:             | 1         | Tank manifolded: NO           | Bottom to top fill in inches: | 182.0 |
| Product: t           | JNLEADED  | Vent manifolded: NO           | Bottom to grade in inches:    | 192.0 |
| Capacity in gallons: | 20,000    | Vapor recovery manifolded: NO | Fill pipe length in inches:   | 63.0  |
| Diameter in inches:  | 119.00    | Overfill protection: YES      | Fill pipe diameter in inches: | 4.0   |
| Length in inches:    | 419       | Overspill protection: YES     | Stage I vapor recovery:       | COAX  |
| Material: I          | OW FIBERG | Installed: ATG                | Stage II vapor recovery:      | NONE  |
|                      |           | CP installed on: / /          |                               |       |

#### COMMENTS

9

n

TEST DATE: 06/08/09

CLIENT: CASEY'S GENERAL

| TRANK TIEST RESULTS TRESH METRO                                                                                                                                                                                                                                           | ol vicenticete                                   | LEAK DETECTOR                                                                                                                                                 | TESTIRESULT         | S               | stimethod), 1540 | à               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|------------------|-----------------|
| Start (i                                                                                                                                                                                                                                                                  |                                                  |                                                                                                                                                               |                     |                 |                  |                 |
| Dipped Water Level:                                                                                                                                                                                                                                                       | 0.00 0.00                                        |                                                                                                                                                               | New/passed          | Failed/replaced | •                | Failed/replaced |
| Dipped Product Level: 9                                                                                                                                                                                                                                                   | 94.50 94.50                                      |                                                                                                                                                               | L.D. #1             | L.D. #1         | L.D. #2          | L.D. #2         |
| Probe Water Level: 0                                                                                                                                                                                                                                                      | 0.037 0.035                                      | Make:                                                                                                                                                         |                     |                 |                  |                 |
| Ingress Detected: Water N<br>Test time:<br>Inclinometer reading:<br>VacuTect Test Type: S<br>VacuTect Probe Entry Point:<br>Tank water level in inches:<br>Water table depth in inches:<br>Determined by (method):<br>Result:<br>COMMENTS<br>vent tested with tank tank w | Gauge<br>-0.50<br>0.00<br>155.00<br>WELL<br>PASS | Model:<br>S/N:<br>Open time in sec:<br>Holding psi:<br>Resiliency cc:<br>Test leak rate ml/m:<br>Metering psi:<br>Calib. leak in gph:<br>Results:<br>COMMENTS | TE                  | iot<br>Sted     |                  | IOT<br>STED     |
| spill bucket was removed by                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                               |                     |                 |                  |                 |
|                                                                                                                                                                                                                                                                           |                                                  | ]                                                                                                                                                             |                     |                 |                  |                 |
| LINE TESTRI<br>LINE                                                                                                                                                                                                                                                       | SULIS<br>A                                       | Т<br>В                                                                                                                                                        | estriype: 7160<br>C | <u>a</u>        | D                |                 |
| Material<br>Diameter (in)<br>Length (ft)<br>Test psi<br>Bleedback cc<br>Test time (min)<br>Start time<br>End time<br>Final gph<br>Result<br>Pump type                                                                                                                     | 2.0<br>250.0<br>NOT<br>TESTED                    | NOT<br>TESTED                                                                                                                                                 |                     | OT<br>STED      | NOT<br>TESTED    |                 |
| Pump make<br>COMMENTS                                                                                                                                                                                                                                                     | : FE PETRO                                       | Impact Values Oper                                                                                                                                            | otional             |                 |                  |                 |
| COMMENTS                                                                                                                                                                                                                                                                  |                                                  | Impact Valves Oper                                                                                                                                            | auonai:             |                 |                  |                 |

# Tanknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334 FAX (512) 459-1459

TEST DATE:06/08/09

#### CLIENT: CASEY'S GENERAL STORES

WORK ORDER NUMBER6330027

SITE: CASEY'S 2826

COMMENTS

Re-tested the unleaded tank with passing results. Vents were tested under vacuum with the tank.

## PARTS REPLACED

### HELIUM PINPOINT TEST RESULTS (IF APPLICABLE)

ITELISTIESTED

# SITE DIAGRAM

# **Tenknology**

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334 FAX (512) 459-1459

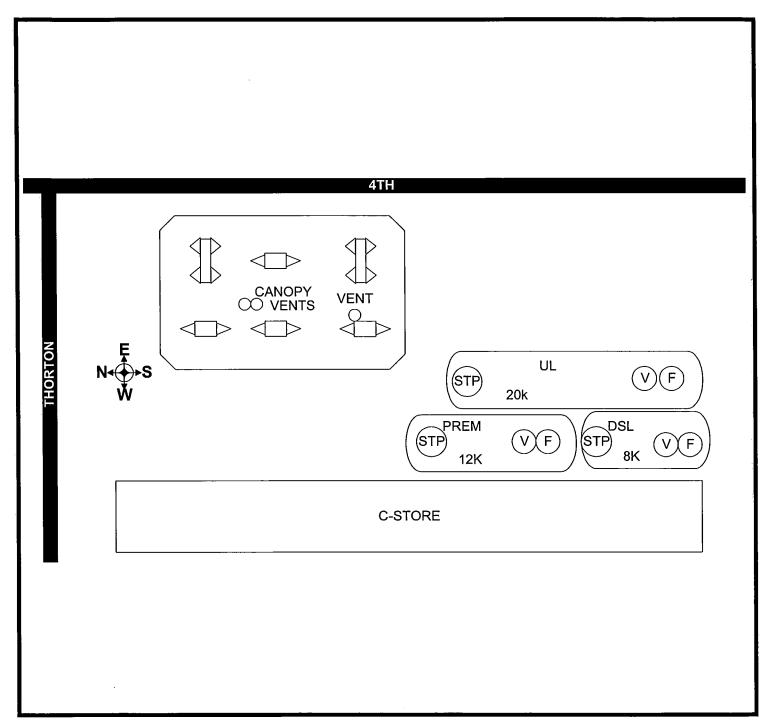
TEST DATE: 06/08/09 CLIENT: CASEY'S GENERAL STORES

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WORK ORDER NUMBER6330027

SITE: CASEY'S 2826



Printed 06/10/2009 07:46 ACRAMER



8501 N. MoPac Expressway, Suite 400 Austin, Texas 78759 Phone: (512) 451-6334 Fax: (512) 459-1459

#### Date Printed and Mailed: 06/10/2009

KANSAS DEPT. OF HEALTH BUREAU OF ENVIRONMENTAL STORAGE TANK SECTION 1000 SW JACKSON STREET, STE. 410 TOPEKA, KS. 66612

war (MYO Mar

JUN 3 5 ZIUB

BURGARANGERATION MURARANGERATION

Test Date: 06/08/2009 Order Number: 6330027

Dear Regulator,

Enclosed are the results of recent testing performed at the following facility:

CASEY'S 2826 2100 S 4TH ST

LEAVENWORTH, KS. 66048

Testing performed: Tank Tests

Sincerely,

Down Kohlmeyer

Dawn Kohlmeyer Manager, Field Reporting

|        | UST011.                        | KDH                | E Reference No: O      | wner I.D                      | Facil                | ity I.D. <u>TBA</u> |          |
|--------|--------------------------------|--------------------|------------------------|-------------------------------|----------------------|---------------------|----------|
| UNDER  | GROUND STOP                    | RAGE TANK          | SYSTEM                 |                               |                      |                     |          |
| Tightn | ess Test                       |                    |                        |                               |                      |                     |          |
| (This  | form must accompar             | ny tank tightnes   | s results)             |                               |                      |                     |          |
|        |                                |                    |                        |                               | Date of Test06       | /05/2009            |          |
| SUBMIT | O: KANSAS DEPT<br>BUREAU OF EI |                    | CAL REMEDIATIO         |                               | Tester I.DIC         | 949-1               |          |
|        | STORAGE TAN<br>1000 SW JACKS   |                    | 0                      |                               |                      | 0147                |          |
|        | TOPEKA, KAN                    |                    |                        |                               | Company ID <u>Co</u> | A Al                |          |
|        |                                |                    | FAX: 785               | 296-6190                      | Signature Rem        | Il O Yorge          | <b>p</b> |
| т      | Please Print Clear             |                    |                        |                               |                      | <u> </u>            |          |
| 1      | A. Facility INFC               |                    | 226                    |                               |                      |                     |          |
|        | A. Pacifity Nan                |                    |                        |                               |                      |                     |          |
|        | B. Address                     |                    | ST LEAVENWOR           | <u>TH, KS. 66048</u><br>city) | (state) (zip)        |                     |          |
|        | C. Contact                     | SUE @ CAS          |                        |                               |                      | 5 965-6167          |          |
| т      | I. TANK OWNER                  | ·                  |                        |                               |                      |                     |          |
| 1      |                                |                    |                        |                               |                      |                     |          |
|        | A. Owner Name                  | CASEY'S G          | ENERAL STORES          |                               |                      |                     |          |
|        | B. Owner Addre                 | ss <u>ONE CONV</u> | ENIENCE BLVD           | ANKENY                        | ,IA50021             |                     |          |
|        | C. Owner Conta                 | ct Person          | LL REAMS-WIDD          | ER                            | Phone 51             | 5 965-6238          |          |
| Ι      | II. Test Informati             | on                 |                        |                               |                      |                     |          |
|        | A. Tester Metho                | d VacuTect         | / TLD-1                | B. Leak Threshold             | 1:                   |                     | _        |
| I      | V. Tank Systems T              | ested When p       | performing line test a | lways provide corre           | esponding tank infor | mation!             |          |
|        | KDHE tank                      | no                 | 1                      | 2                             | 3                    |                     |          |
|        | Tank Capaci                    | ty                 | 20000                  | 12000                         | 8000                 |                     |          |
|        | (Gallons)                      | ing Test(gals)     | 0                      | 0                             | 0                    | 0                   |          |
|        |                                |                    | -                      | 2009                          | 2009                 |                     |          |
|        | Year installe                  | d                  | 2009                   |                               |                      |                     |          |
|        | Pass/Fail                      |                    | FAIL                   | PASS                          | PASS                 |                     |          |
|        | Leak rate                      |                    | 0.000                  | 0.000                         | 0.000                |                     |          |
|        | 3rd Party Ce                   | rtification met    | Yes <u>X</u> No        | Yes <u>X</u> No               | Yes <u>X</u> No      | Yes No              |          |
|        |                                |                    |                        |                               |                      |                     |          |
|        | KDHE tank                      | /line no           | 1                      | 2                             | 3                    |                     |          |
|        | Dispenser t                    |                    |                        |                               |                      |                     |          |
|        | Safe/Convention                |                    | WEDDDDO                | VEEDDDDO                      |                      |                     |          |
|        | Mech.Leak<br>Model:            |                    | VEEDERRO               | VEEDERRO<br>ELECTRON          |                      |                     |          |
|        | 1 MID                          | correctly:         |                        | YES                           |                      |                     |          |
|        | Y/N                            |                    | YES                    | ILS                           |                      |                     |          |
|        |                                |                    | YES<br>PASS            | PASS                          | PASS                 |                     |          |
|        | Y/N                            |                    |                        |                               | PASS 0.000           |                     |          |
|        |                                | correctly:         |                        |                               |                      |                     |          |

V. If tank or line has failed, a release is suspected. To whom has suspected release been reported?

Please direct questions regarding tank and line tests to KDHE, Storage Tank Section, 785-296-8061



| <b>Z -</b> Tank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                                                                      | TIFICATE OF TE<br>SUITE 400 AUSTIN,<br>6334 FAX (512) 459 | TEXAS 78759         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          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| PURPOSE: C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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# Tanknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334

WORK ORDER NUMBER6329963 SITE: CASEY'S 2826

#### TANKINFORMATION

| Tank ID:             | 1         | Tank manifolded:           | NO  | Bottom to top fill in inches: | 182.0 |
|----------------------|-----------|----------------------------|-----|-------------------------------|-------|
| Product:             | UNLEADED  | Vent manifolded:           | NO  | Bottom to grade in inches:    | 192.0 |
| Capacity in gallons: | 20,000    | Vapor recovery manifolded: | NO  | Fill pipe length in inches:   | 63.0  |
| Diameter in inches:  | 119.00    | Overfill protection:       | YES | Fill pipe diameter in inches: | 4.0   |
| Length in inches:    | 419       | Overspill protection:      | YES | Stage I vapor recovery:       | COAX  |
| Material:            | DW FIBERG | Installed:                 | ATG | Stage II vapor recovery:      | NONE  |
|                      |           | CP installed on:           | 1 1 |                               |       |

#### COMMENTS

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TEST DATE: 06/05/09

CLIENT: CASEY'S GENERAL

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| TANK TEST RESULTS TEST Metho | Manuel          | LEAKIDETECTOR        | IESIT IRESULTIS      | S Tes           | at method: Du | A               |
|------------------------------|-----------------|----------------------|----------------------|-----------------|---------------|-----------------|
| Start                        |                 |                      | New/passed           | Failed/replaced | Now/nassod    | Failed/replaced |
| Dipped Water Level:          |                 |                      | L.D. #1              | L.D. #1         | L.D. #2       | L.D. #2         |
| Dippour roudor Lovon         |                 | .50 Make:            | VEEDERROOT           |                 |               |                 |
|                              | 0.082 0.0       | Modelt               | VEEDERROOT           | L.              |               |                 |
| Ingress Detected: Water N    | Bubble N Ullage | S/N:                 | 28774                | •               |               |                 |
| Test time:                   | 11:31-15:58     | Open time in sec:    | 28//9                | 9               |               |                 |
| Inclinometer reading:        | 0.00            | Holding psi:         |                      |                 |               |                 |
| VacuTect Test Type:          | Single tank     | Resiliency cc:       |                      |                 | N             | IOT             |
| VacuTect Probe Entry Point:  |                 | Test leak rate ml/m: | 189.0                | )               | TE            | STED            |
| Pressure Set Point:          | -0.50           | Metering psi:        |                      |                 |               |                 |
| Tank water level in inches:  | 0.00            | Calib. leak in gph:  | 3.00                 | )               |               |                 |
| Water table depth in inches: | 195.00          | Results:             | PASS                 | 5               |               |                 |
| Determined by (method):      | WELL            |                      |                      |                 |               |                 |
| Result:                      | FAIL            |                      |                      |                 |               |                 |
| COMMENTS                     |                 | PASS                 |                      |                 |               |                 |
| TANK FAILS ON ULLAGE INGRES  | s.              |                      |                      |                 |               |                 |
|                              |                 |                      |                      |                 |               |                 |
|                              |                 |                      |                      |                 |               |                 |
| LINE TEST R                  | ESULTS<br>E A   | B. Te                | est type: /TED-<br>C | A Carlos        | D             |                 |
| Materia                      |                 |                      |                      |                 |               |                 |
| Diameter (in                 |                 |                      |                      |                 |               |                 |
| Length (ft                   | *               |                      |                      |                 |               |                 |
| Test ps                      |                 |                      |                      |                 |               |                 |
| Bleedback c                  |                 |                      |                      |                 |               |                 |
| Test time (min               |                 | NOT                  | NC                   | DT              | NOT           |                 |
| Start time                   |                 | TESTED               | TES                  | TED             | TESTED        |                 |
| End time                     |                 |                      |                      |                 |               |                 |
| Final gpl                    |                 |                      |                      |                 |               |                 |
| Resul                        |                 |                      |                      |                 |               |                 |
| Pump type                    | e: PRESSURE     |                      |                      |                 |               |                 |

Impact Valves Operational: YES

#### COMMENTS

DISPENSER TO BALL VALVE

Pump make:

FE PETRO

# Tanknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334

WORK ORDER NUMBER6329963 SITE: CASEY'S 2826

|                      | lite and the second | TRANKINFORMRAMON              |                               |       |
|----------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------|
| Tank ID:             | 2                                                                                                              | Tank manifolded: NO           | Bottom to top fill in inches: | 180.0 |
| Product: I           | PREMIUM                                                                                                        | Vent manifolded: NO           | Bottom to grade in inches:    | 192.0 |
| Capacity in gallons: | 12,000                                                                                                         | Vapor recovery manifolded: NO | Fill pipe length in inches:   | 61.0  |
| Diameter in inches:  | 119.00                                                                                                         | Overfill protection: YES      | Fill pipe diameter in inches: | 4.0   |
| Length in inches:    | 252                                                                                                            | Overspill protection: YES     | Stage I vapor recovery:       | DUAL  |
| Material: I          | OW FIBERG                                                                                                      | Installed: ATG                | Stage II vapor recovery:      | NONE  |
|                      |                                                                                                                | CP installed on: / /          |                               |       |

#### COMMENTS

٠,

TEST DATE:06/05/09

CLIENT: CASEY'S GENERAL

.

| TANK TEST RESULTS TEST Method                                                                                                                                                                                                                                                               | PVAGUUERE                                                                      | LEAK DETECTIOR 1                                                                                                                                                      | NEST RESULT            | S Tex                      | functiod. EU          | ð er star stær stær stær stær stær stær stær stæ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------|-----------------------|--------------------------------------------------|
|                                                                                                                                                                                                                                                                                             | 0.00 0.00                                                                      |                                                                                                                                                                       | New/passed<br>L.D. #1  | Failed/replaced<br>L.D. #1 | New/passed<br>L.D. #2 | Failed/replaced<br>L.D. #2                       |
| Dipped i loddot Loton                                                                                                                                                                                                                                                                       | 9.00 89.00                                                                     | Make:                                                                                                                                                                 | VEEDERROOT             |                            |                       |                                                  |
|                                                                                                                                                                                                                                                                                             | .074 0.073                                                                     | Model:                                                                                                                                                                |                        |                            |                       |                                                  |
| Ingress Detected: Water N<br>Test time:<br>Inclinometer reading:<br>VacuTect Test Type: S<br>VacuTect Probe Entry Point: F<br>Pressure Set Point:<br>Tank water level in inches:<br>Water table depth in inches:<br>Determined by (method):<br>Result:<br>COMMENTS<br>VENT TESTED WITH TANK | 09:04-11:15<br>0.00<br>Single tank                                             | Model:<br>S/N:<br>Open time in sec:<br>Holding psi:<br>Resiliency cc:<br>Test leak rate ml/m:<br>Metering psi:<br>Calib. leak in gph:<br>Results:<br>COMMENTS<br>PASS | 28743<br>189.0<br>3.00 | )<br>)<br>)                |                       | IOT<br>STED                                      |
| UNE TEST RE<br>UNE                                                                                                                                                                                                                                                                          |                                                                                | JL<br>B                                                                                                                                                               | estityper: wab-<br>©   | <u>4</u>                   | D                     |                                                  |
| Material:<br>Diameter (in):<br>Length (ft):<br>Test psi:<br>Bleedback cc:<br>Test time (min):<br>Start time:<br>End time:<br>Final gph:<br>Result:<br>Pump type:<br>Pump make:                                                                                                              | 2.0<br>250.0<br>60<br>515<br>60<br>09:48<br>10:48<br>0.000<br>PASS<br>PRESSURE | NOT<br>TESTED                                                                                                                                                         | N(<br>TES              | DT<br>TED                  | NOT<br>TESTED         |                                                  |
| COMMENTS                                                                                                                                                                                                                                                                                    |                                                                                | Impact Valves Opera                                                                                                                                                   | ational: YES           |                            |                       |                                                  |

DISPENSER TO BALL VALVE

# Tanknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334

WORK ORDER NUMBER6329963 SITE: CASEY'S 2826

|                      |          | TANKINFORMATION            |                               |       |
|----------------------|----------|----------------------------|-------------------------------|-------|
| Tank ID:             | 3        | Tank manifolded: אס        | Bottom to top fill in inches: | 180.0 |
| Product: I           | IESEL    | Vent manifolded: NO        | Bottom to grade in inches:    | 192.0 |
| Capacity in gallons: | 8,000    | Vapor recovery manifolded: | Fill pipe length in inches:   | 61.0  |
| Diameter in inches:  | 119.00   | Overfill protection: YES   | Fill pipe diameter in inches: | 4.0   |
| Length in inches:    | 168      | Overspill protection: YES  | Stage I vapor recovery:       | DUAL  |
| Material: I          | W FIBERG | Installed: ATG             | Stage II vapor recovery:      | NONE  |
|                      |          | CP installed on: / /       |                               |       |

#### COMMENTS

۰.

TEST DATE:06/05/09

CLIENT: CASEY'S GENERAL

| <u> </u>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                  |                                                                                                                                                                       |                                             |                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------|
| WANK TREST RESULTS TREST MENTIO                                                                                                                                                                                                                                                                                 | el WEGERIEGE                                                                                                                                     | LEAKDENEGIORI                                                                                                                                                         | TEBTIRESULTIS                               | lestmethod: 13.42                                |
| Start (<br>Dipped Water Level:<br>Dipped Product Level:                                                                                                                                                                                                                                                         | in) End (in)<br>0.00 0.00<br>30.00 80.00                                                                                                         |                                                                                                                                                                       | New/passed Failed/replac<br>L.D. #1 L.D. #1 | ed New/passed Failed/replaced<br>L.D. #2 L.D. #2 |
|                                                                                                                                                                                                                                                                                                                 | 0.052 0.050                                                                                                                                      | Make:                                                                                                                                                                 | VEEDERROOT                                  |                                                  |
| Ingress Detected: Water N<br>Test time:<br>Inclinometer reading:<br>VacuTect Test Type:<br>VacuTect Probe Entry Point:<br>Pressure Set Point:<br>Tank water level in inches:<br>Water table depth in inches:<br>Determined by (method):<br>Result:<br>COMMENTS<br>VENT TESTED WITH TANK, HAD T<br>SPILL BUCKET. | Fill<br>-0.50<br>0.00<br>195.00<br>WELL<br>PASS                                                                                                  | Model:<br>S/N:<br>Open time in sec:<br>Holding psi:<br>Resiliency cc:<br>Test leak rate ml/m:<br>Metering psi:<br>Calib. leak in gph:<br>Results:<br>COMMENTS<br>PASS | 189.0<br>3.00                               | NOT<br>TESTED                                    |
| LINE TEST R                                                                                                                                                                                                                                                                                                     | ESULTS<br>A                                                                                                                                      | B                                                                                                                                                                     | əsi (ypə; 110-1)<br>C                       |                                                  |
| Materia<br>Diameter (in)<br>Length (ft)<br>Test ps<br>Bleedback co<br>Test time (min)<br>Start time<br>End time<br>Final gph<br>Resul<br>Pump type<br>Pump make                                                                                                                                                 | 2.0<br>250.0<br>60<br>2180<br>2250.0<br>60<br>22<br>60<br>23<br>24<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25 | NOT<br>TESTED                                                                                                                                                         | NOT<br>TESTED                               | NOT<br>TESTED                                    |
| COMMENTS                                                                                                                                                                                                                                                                                                        |                                                                                                                                                  | Impact Valves Opera                                                                                                                                                   | ational: YES                                |                                                  |
| DISPENSER TO BALL VALVE                                                                                                                                                                                                                                                                                         |                                                                                                                                                  |                                                                                                                                                                       |                                             |                                                  |

# Tenknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334 FAX (512) 459-1459

TEST DATE:06/05/09 CLIENT:CASEY'S GENERAL STORES WORK ORDER NUMBER6329963

SITE: CASEY'S 2826

#### COMMENTS

Premium and diesel lines and leak detectors passed. Unleaded line and leak detector passed. The unleaded tank failed due to an air ingress above the product level. The product level was at 94.5" at the time of the test meaning the air leak was in the upper 24.5" of the tank. During the test, all risers were isolated down to tank top eliminating any tank top components. This included isolation of the vent and removal of the submersible pump. Recommend to uncover the tank top, inspect, repair, and re-test. Recommend to not fill the tank beyond the 94.5" of product that was present during the time of the test.

## PARTS REPLACED

| QUANTITY | DESCERIPTION |
|----------|--------------|
|          |              |
|          |              |
|          |              |
|          |              |
|          |              |

### HELIUM PINPOINT TEST RESULTS (IF APPLICABLE)

IUEMS UESTED

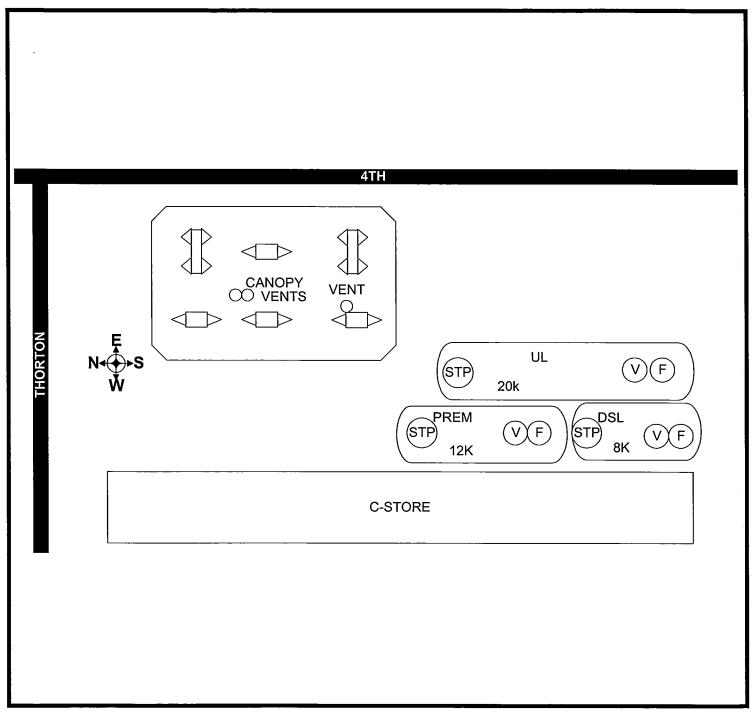
### HELUMINIROINT LEAK TEST RESULTS

# SITE DIAGRAM

# Tanknology

8501 N MOPAC EXPRESSWAY, SUITE 400 AUSTIN, TEXAS 78759 (512) 451-6334 FAX (512) 459-1459

TEST DATE: 06/05/09 CLIENT: CASEY'S GENERAL STORES WORK ORDER NUMBER6329963 SITE: CASEY'S 2826





8501 N. MoPac Expressway, Suite 400 Austin, Texas 78759 Phone: (512) 451-6334 Fax: (512) 459-1459

### Date Printed and Mailed: 06/11/2009

KANSAS DEPT. OF HEALTH BUREAU OF ENVIRONMENTAL STORAGE TANK SECTION 1000 SW JACKSON STREET, STE. 410 TOPEKA, KS. 66612

JUN 3 & 2003

BUELAN OF MUTERING OF A CHARGE AND A CLEME

Test Date: 06/05/2009 Order Number: 6329963

Dear Regulator,

 $\mathcal{O}$ 

Enclosed are the results of recent testing performed at the following facility:

CASEY'S 2826 2100 S 4TH ST

LEAVENWORTH, KS. 66048

Testing performed: Leak detector tests Line tests Tank Tests

Sincerely,

Down Kohlmeyer

Dawn Kohlmeyer Manager, Field Reporting Appendix E

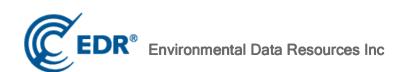
# **Historical Documentation**

### 2107 South 4th Street

2107 South 4th Street Leavenworth, KS 66048

Inquiry Number: 5723933.5 July 26, 2019

# The EDR-City Directory Image Report



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

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#### **SECTION**

**Executive Summary** 

Findings

**City Directory Images** 

*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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## **EXECUTIVE SUMMARY**

#### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

#### **RECORD SOURCES**

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Target Street</u> | Cross Street | <u>Source</u>       |
|-------------|----------------------|--------------|---------------------|
| 2014        | $\checkmark$         | $\checkmark$ | EDR Digital Archive |
| 2010        | $\checkmark$         | $\checkmark$ | EDR Digital Archive |
| 2005        | $\checkmark$         | $\checkmark$ | EDR Digital Archive |
| 2000        | $\checkmark$         | $\checkmark$ | EDR Digital Archive |
| 1995        | $\checkmark$         | $\checkmark$ | EDR Digital Archive |
| 1992        | $\checkmark$         | $\checkmark$ | EDR Digital Archive |
| 1989        | $\checkmark$         |              | POLK DIRECTORY CO   |
| 1984        | $\checkmark$         |              | POLK DIRECTORY CO   |
| 1979        | $\checkmark$         | $\checkmark$ | POLK DIRECTORY CO   |
| 1974        | $\checkmark$         |              | POLK DIRECTORY CO   |
| 1969        | $\checkmark$         |              | POLK DIRECTORY CO   |
| 1963        | $\checkmark$         |              | POLK DIRECTORY CO   |

## **FINDINGS**

#### TARGET PROPERTY STREET

2107 South 4th Street Leavenworth, KS 66048

| <u>Year</u> <u>CD Image</u> |        | <u>Source</u>       |
|-----------------------------|--------|---------------------|
| <u>S 4TH ST</u>             |        |                     |
| 2014                        | pg A2  | EDR Digital Archive |
| 2010                        | pg A4  | EDR Digital Archive |
| 2005                        | pg A6  | EDR Digital Archive |
| 2000                        | pg A8  | EDR Digital Archive |
| 1995                        | pg A10 | EDR Digital Archive |
| 1992                        | pg A12 | EDR Digital Archive |
| 1989                        | pg A14 | POLK DIRECTORY CO   |
| 1989                        | pg A15 | POLK DIRECTORY CO   |
| 1984                        | pg A17 | POLK DIRECTORY CO   |
| 1979                        | pg A20 | POLK DIRECTORY CO   |
| 1979                        | pg A21 | POLK DIRECTORY CO   |
| 1974                        | pg A24 | POLK DIRECTORY CO   |
| 1969                        | pg A27 | POLK DIRECTORY CO   |
| 1969                        | pg A28 | POLK DIRECTORY CO   |
| 1963                        | pg A30 | POLK DIRECTORY CO   |

## **FINDINGS**

<u>Source</u>

### **CROSS STREETS**

<u>CD Image</u>

<u>Year</u>

| MARION | <u>ST</u> |                     |
|--------|-----------|---------------------|
| 2014   | pg. A1    | EDR Digital Archive |
| 2010   | pg. A3    | EDR Digital Archive |
| 2005   | pg. A5    | EDR Digital Archive |
| 2000   | pg. A7    | EDR Digital Archive |
| 1995   | pg. A9    | EDR Digital Archive |
| 1992   | pg. A11   | EDR Digital Archive |
| 1989   | pg. A13   | POLK DIRECTORY CO   |
| 1984   | pg. A16   | POLK DIRECTORY CO   |
| 1979   | pg. A18   | POLK DIRECTORY CO   |
| 1979   | pg. A19   | POLK DIRECTORY CO   |
| 1974   | pg. A22   | POLK DIRECTORY CO   |
| 1974   | pg. A23   | POLK DIRECTORY CO   |
| 1969   | pg. A25   | POLK DIRECTORY CO   |
| 1969   | pg. A26   | POLK DIRECTORY CO   |
| 1963   | pg. A29   | POLK DIRECTORY CO   |

**City Directory Images** 

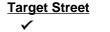
Target Street

-

Source EDR Digital Archive

# MARION ST 2014

| 10  | 19 k | KLOSTERMAN, SHAQUANDA M        |
|-----|------|--------------------------------|
| 11  |      | DAVIS, DAVID L                 |
| 11  |      | CHINN, RICHARD L               |
| 11  |      | SCHAUB, JOE F                  |
| 11  |      | ELLIOTT, CONNIE R              |
|     |      | VOODS, DONNA R                 |
|     |      | JTTERFIELD, DOROTHY L          |
|     |      |                                |
| 10  |      |                                |
|     |      |                                |
|     |      |                                |
|     |      |                                |
|     |      | ANTER, DUSTIN                  |
|     |      |                                |
|     |      | PAYNE, ARNOLD                  |
|     |      | REED, JAMES                    |
|     |      | ALLEJOS, MARY                  |
| 4 - |      | OUMANS, CARILYN                |
| 15  |      | RAMPTON, D                     |
| 20  |      | MERICAN LAWN AND FENCE LLC     |
|     | -    | MERICAN OVERHEAD DOOR & FENCE  |
| 21  |      | CENTURY VAN LINES INC          |
| 23  |      | AKE ROBERT                     |
| 31  |      | ADVANCED AUTO TRCK & TRLR REPR |
| 40  |      | DCCUPANT UNKNOWN,              |
| 40  |      |                                |
| 41  |      | STONE, MATTHEW M               |
| 41  |      | RUNYAN, TERRILL L              |
| 41  |      | ORD, RON                       |
|     |      | DCCUPANT UNKNOWN,              |
| 41  |      | VILSON, SHANNON S              |
| 41  |      | DCCUPANT UNKNOWN,              |
| 42  |      | ANDERSON, SHANNA               |
| 75  |      | MOUNT MUNCIE AIRPORT (72KS)    |
| 76  |      | STEPP PAINTING SERVICES LLC    |
| 81  | •    | RON CHMIDLING CONSTRUCTION     |
|     |      | SHMIDLING RONALD J             |
| 90  | T 00 | RINITY LUTHERAN CHURCH         |
|     |      |                                |



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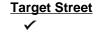
# S 4TH ST 2014

| 1904 | CRESPO, MIGUEL                 |
|------|--------------------------------|
|      | MEYER, ANDREW                  |
| 1906 | OCCUPANT UNKNOWN,              |
| 1908 | OCCUPANT UNKNOWN,              |
| 1910 | OCCUPANT UNKNOWN,              |
| 1912 | OCCUPANT UNKNOWN,              |
| 1918 | LING, RACHEL                   |
| 1922 | TURNAGE, KEITH O               |
| 1926 | PRICE, JOE C                   |
| 2017 | GREAT WESTERN MFG CO INC       |
| 2024 | GRAJA INC                      |
|      | HANS MANAGEMENT                |
| 2030 | LAND OF AHZ                    |
|      | CASEYS GENERAL STORES INC      |
| 2106 | RENT-A-CENTER INC              |
| 2107 | FOUR B CORP                    |
| 2110 | USA NAILS                      |
| 2127 | WILLIAMS RETAIL LIQUOR         |
| 2200 | BRANSON, TIM                   |
| 2201 |                                |
| 2205 | A & D HEARING AID CENTER       |
|      | A & K RENTALS                  |
|      | ALBEE, KEVIN H                 |
|      | AMERICAN PAYDAY LOANS          |
|      | ANESTHESIA SERVICES PA         |
|      | GENERAL PARTS INC              |
| 2212 | _                              |
| 2300 | DAWSON THOMAS ATTORNEY AT LAW  |
|      | DAWSON, THOMAS M               |
|      | GAIL RRDONS THRAPEUTIC MASSAGE |
|      |                                |
|      | WILLCOTT MICHEAL F             |
|      |                                |
| 2309 | SMITH TANYA                    |
| 0040 |                                |
| 2310 | MIDAMERICAN BANK AND TR CO NA  |
| 2508 | OCCUPANT UNKNOWN,              |
| 2510 | PENNINGTON, MIKE               |
| 2516 | BEST, SHEILA<br>THOMAS, MARK A |
|      |                                |
|      |                                |

Target Street

## MARION ST 2010

- 108 BRANDON SHELLEY PAINTING/TILE
  OCCUPANT UNKNOWN,
  110 DAVIS, DAVID L
- 111 CHINN, RICHARD L
- 112 OCCUPANT UNKNOWN,
- 115 OCCUPANT UNKNOWN,
- 119 SIMPSON, CHAYNE
- 123 WELLS, RICHARD R
- 150 FLOWERS, XAVIER MEIKLE, THOMAS NEAL, L PAYNE, ARNOLD
  - PIERCE, MARK
    - REED, JAMES
- 151 MARION APARTMENTS
- 211 CENTURY VAN LINES INC
- 235 LAKE ROBERT
- 313 WAGES REPAIR SERVICE
- 315 ADVANCED AUTO TRCK & TRLR REPR
- 408 BISHOP, ROBERT E
- 409 DZIADURA, DARLENE
- 410 RUSSELL, MARVIN
- 411 PRO POWER WASH RUNYAN, TERRILL L
- 412 EDWARDS, SHIRLEY
- LORD, RON 414 WHITE, MICHAEL
- 416 HERSKIND, ASHLEY
- 418 OCCUPANT UNKNOWN,
- 420 OCCUPANT UNKNOWN,
- 620 ELIZABETH RAMIREZ
- 750 MOUNT MUNCIE AIRPORT (72KS)
- 810 SHMIDLING RONALD J
- 905 TRINITY LUTHERAN CHURCH

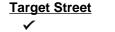


| 1904 | MEYER, ANDREW                  |
|------|--------------------------------|
| 1906 | OCCUPANT UNKNOWN,              |
| 1908 | OCCUPANT UNKNOWN,              |
| 1910 | OCCUPANT UNKNOWN,              |
| 1912 | LAWSON, TYRONE                 |
| 1918 |                                |
| 1922 |                                |
| 1926 |                                |
| 2017 |                                |
| 2024 | GRAJA INC                      |
|      | HANS MANAGEMENT                |
| 2030 | JC PENNEY CORPORATION INC      |
|      | LAND OF AHZ                    |
| 2100 | CASEY GENERAL STORE            |
|      | RENT-A-CENTER INC              |
| 2107 |                                |
|      | RICE GARDEN INC                |
| 2110 | USA NAILS                      |
|      | WILLIAMS RETAIL LIQUOR         |
|      | BRANSON, TIM                   |
|      | BALANCED BODY CHIRO CLINIC LLC |
| 2205 | A & D HEARING AID CENTER       |
|      | A & K RENTALS                  |
|      | ALBEE, KEVIN H                 |
|      | AMERICAN PAYDAY LOANS          |
|      | ANESTHESIA SERVICES PA         |
| 2209 |                                |
| 2212 | AH TANNERY INC                 |
| 2300 | DAWSON THOMAS ATTORNEY AT LAW  |
|      | DAWSON, THOMAS M               |
|      | GAIL RRDONS THRAPEUTIC MASSAGE |
|      | LOBER, TERENCE                 |
|      | REARDON KEVIN E                |
|      | WILLCOTT MICHEAL F             |
|      | WILLCOTT, MICHAEL              |
| 2309 | HENES ROBERT                   |
|      | SMITH TANYA                    |
| 2310 | MIDAMERICAN BANK AND TR CO NA  |
| 2500 | JOHNSON ELLIS CORP             |
| 2508 | GOFF, CHRIS                    |
| 2510 | PENNINGTON, MIKE               |
| 2516 | GALLAGHER, SUZANNE             |
|      | HELFER, JAMES                  |
|      | MASTERS, NATHAN                |
|      | SCHELL, LELAND                 |
|      | WILLIAMS, KENNETH W            |
|      |                                |
|      |                                |

-

# MARION ST 2005

| 108 | OCCUPANT UNKNOWN,              |
|-----|--------------------------------|
| 110 | DAVIS, DAVID L                 |
| 111 | CHINN, JOEL M                  |
| 112 | SCHAUB, CLINT J                |
| 115 | ELLIOTT, RICHARD               |
| 123 | WELLS, RICHARD R               |
| 151 | MARION APARTMENTS              |
| 211 | CENTURY VAN LINES INC          |
| 235 | LAKE ROBERT                    |
| 313 | WAGES REPAIR SERVICE           |
| 315 | ADVANCED AUTO TRCK & TRLR REPR |
| 408 | BISHOP, ROBERT E               |
| 409 | JEFFRIES, MARY J               |
| 411 | OCCUPANT UNKNOWN,              |
|     | PRO POWER WASH                 |
| 412 | HAYS, MICHELLE D               |
|     | LORD, RON                      |
| 414 | OCCUPANT UNKNOWN,              |
| 416 | WILSON, SHANNON S              |
| 418 | DAVIS, ELZADA                  |
| 420 | WHITE, ANTOINETTE              |
| 605 | LIGHT REMODELING LLC           |
| 810 | SHMIDLING RONALD J             |
| 905 | TRINITY LUTHERAN CHURCH        |
|     |                                |



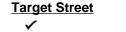
| 1904 | GIBSON, LUKE                   |
|------|--------------------------------|
| 1906 | OCCUPANT UNKNOWN,              |
| 1908 | OCCUPANT UNKNOWN,              |
| 1910 | OCCUPANT UNKNOWN,              |
| 1918 | DAME, TRACY                    |
|      | MULLINS, HARRY                 |
| 1922 | OCCUPANT UNKNOWN,              |
| 1926 | SIMANOWITZ, MICHAEL B          |
| 2017 | GREAT WESTERN MANUFACTURING CO |
| 2024 | GRAJA INC                      |
| 2025 | TADS TROPICAL SNO              |
| 2030 | LAND OF AHZ                    |
| 2100 | BURGER KING CORPORATION        |
| 2106 | RENT-A-CENTER INC              |
|      | FOUR B CORP                    |
|      | PRICE CHOPPER                  |
|      | PRICE CHOPPER BARBER SHOP      |
|      | PRICE HOPPER FLOWER MARKET     |
|      | RICE GARDEN INC                |
| 2110 | TFSNET INC INTERNET            |
|      | USA NAILS                      |
| 2127 | WILLIAMS RETAIL LIQUOR         |
| 2200 | ALLENS FURNITURE & APPLIANCE   |
|      | BRANSON, TIM                   |
|      | HAGEMASTER, ABIGAIL            |
| 2201 | AMERICAN CREATIVE ENTERPRISES  |
|      | ANAND MAN MD                   |
| 2205 | A & D HEARING AID CENTER       |
|      | A & K RENTALS                  |
|      | ALBEE, LEE D                   |
|      | AMERICAN PAYDAY LOANS          |
|      | ANESTHESIA SERVICES            |
|      | BREWSTER TERRY DEAN            |
|      | EXCEL TEAM LEAVENWORTH         |
| 2209 | MCQUEEN, CHARLENE A            |
| 2212 | AH TANNERY INC                 |
| 2300 | DAWSON THOMAS ATTORNEY AT LAW  |
|      | FULLER, GARY L                 |
|      | NANCY CASADO                   |
|      | PSYCHIATRIC PROFESSIONAL ASSOC |
|      | REARDON KEVIN E                |
|      | THOMAS W HILL LSCSW            |
| 2309 | SMITH TANYA                    |
| 2310 | MIDAMERICAN BANK AND TR CO NA  |
| 2500 | JOHNSON ELLIS CORP             |
| 2508 | OCCUPANT UNKNOWN,              |
| 2500 | GALLAGHER, SUZANNE             |
| 2010 | TURNER, JEFF G                 |
|      |                                |
|      |                                |

## MARION ST 2000

- 110 DAVIS, DAVID L
- 111 OCCUPANT UNKNOWN,

\_

- 112 SCHAUB, JOE F
- 115 HAYASHI, OLGA
- 119 TAYLOR, E
- 211 CENTURY VAN LINES INC
- 235 LAKES AUTO SALVAGE
- 313 WAGES REPAIR SERVICE WOODWORKING BY SUZANNE
- 315 ADVANCED AUTO TRCK & TRLR REPR
- 408 THOMAS, VEDA M
- 409 OCCUPANT UNKNOWN,
- 410 RUNNEBAUM, RAY
- 411 BARNETT, MELVIN
- 412 OCCUPANT UNKNOWN,
- 418 PILKINGTON, RICK
- 905 TRINITY LUTHERAN CHURCH



Cross Street

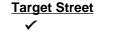
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| 1904<br>1906 | GIBSON, LUKE<br>VINES, ANITA J                     |
|--------------|----------------------------------------------------|
| 1910         | OCCUPANT UNKNOWN,                                  |
| 1918         | MULLINS, HARRY                                     |
| 1926         | SIMANOWITZ, MICHAEL B                              |
| 2017         | GREAT WESTERN MANUFACTURING CO<br>SCHROEDER, DAVID |
| 2024         | •                                                  |
|              | LAND OF AHZ                                        |
| 2031         | BURGER KING CORPORATION                            |
|              | BURGER, KING                                       |
| 2107         | FOUR B CORP                                        |
| 2110         | BOAL COMPUTERS                                     |
|              | TFSNET INC INTERNET                                |
| 2111         | TACO MINNIE INC                                    |
| 2127         | WILLIAMS RETAIL LIQUOR                             |
| 2200         | ALLENS FURNITURE & APPLIANCE                       |
| 2201         | ANAND MAN MD                                       |
| 2205         | A & D HEARING AID CENTER                           |
|              | A & K RENTALS                                      |
|              | A&D HEARING AID CENTER                             |
|              | ANESTHESIA SERVICES                                |
|              | EMERY CHIROPRACTIC                                 |
|              | GEM SOURCE                                         |
|              | S & S COMPUTERS LLC                                |
| 2300         | CASADO, NANCY                                      |
|              | DAWSON THOMAS M                                    |
|              | REARDON KEVIN E                                    |
| 2310         |                                                    |
| 2500         |                                                    |
| 2510         |                                                    |
| 2516         | MATHIS, CAROLYN A                                  |

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# MARION ST 1995

| 108 | OCCUPANT UNKNOWNN            |
|-----|------------------------------|
| 110 | DAVIS, DAVID L               |
| 112 | SCHAUB, JOE F                |
| 115 | OCCUPANT UNKNOWNN            |
| 123 | HYSON, HAROLD E              |
| 141 | OCCUPANT UNKNOWNN            |
| 203 | ONE STOP AUTO SHOP           |
| 211 | AERO MAYFLOWER AGENCY        |
|     | CENTURY VAN LINES INC        |
| 313 | OCCUPANT UNKNOWNN            |
|     | WAGES REPAIR SERVICE         |
|     | WOODWORKING BY SUZANNE       |
| 319 | ADVANCED AUTO & TRUCK REPAIR |
|     | HUPP, DANNY                  |
| 408 | THOMAS, VEDA M               |
| 409 | OCCUPANT UNKNOWNN            |
| 410 | OCCUPANT UNKNOWNN            |
| 411 | BARNETT, MELVIN              |
| 412 | OCCUPANT UNKNOWNN            |
| 414 | DIJOSEPH, JOHN               |
| 418 | YADON, BOBBIE                |
| 420 | OCCUPANT UNKNOWNN            |
| 600 | MAGRUDER, J E                |
|     |                              |



Cross Street

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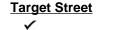
Source EDR Digital Archive

| 2106<br>2107<br>2111<br>2127 | NEWKIRK FOODS INC<br>OF AHZ<br>BURGER KING<br>VIDEO EXPRESS<br>FOUR B CORP<br>TACO MINNIE INC<br>WILLIAMS RETAIL LIQUOR<br>ANAND MAN M<br>DE SOUZA DERRICK J MD PA<br>HABIB FARIZ<br>HABIB, FARIZ |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2205                         | NORTH HILLS HOSPITAL<br>A&D HEARING AID CENTER<br>ANESTHESIA SERVICE INC<br>OCCUPANT UNKNOWNN                                                                                                     |
| 2209                         |                                                                                                                                                                                                   |
| 2212                         |                                                                                                                                                                                                   |
| 2215                         |                                                                                                                                                                                                   |
| 2300                         | CASADO, NANCY                                                                                                                                                                                     |
|                              | COURTNEY, WILLIAM H                                                                                                                                                                               |
|                              | DAWSON THOMAS M                                                                                                                                                                                   |
|                              | DAWSON, THOMAS M                                                                                                                                                                                  |
|                              | FULLER GARY L                                                                                                                                                                                     |
|                              | HUMAN POTENTIAL DEVELOPMENT CO                                                                                                                                                                    |
|                              | MARTINEZ, ED                                                                                                                                                                                      |
|                              | POL, P A                                                                                                                                                                                          |
|                              | REARDON KEVIN E                                                                                                                                                                                   |
| 2500                         | SCIENCE APPLICATIONS INTL CORP                                                                                                                                                                    |
|                              | T G INC                                                                                                                                                                                           |
| 2508                         | BRESHEARS, S                                                                                                                                                                                      |
| 2510                         | PENNINGTON, EVERETT                                                                                                                                                                               |
| 2516                         | BURNS, JOHN                                                                                                                                                                                       |
|                              | MATHIS, C                                                                                                                                                                                         |
|                              | MERRIMAN, HEATH                                                                                                                                                                                   |
|                              | MOODY, TAMMY J                                                                                                                                                                                    |

-

# MARION ST 1992

| 110<br>112<br>115<br>123 | DAVIS, DAVID L<br>SCHAUB, JOE F<br>BRILLOUET, TRUDY<br>HYSON, HAROLD E |
|--------------------------|------------------------------------------------------------------------|
| 211                      | CENTURY VAN LINES INC                                                  |
| 235                      | LAKES AUTO SALVAGE                                                     |
| 313                      | WAGES REPAIR SERVICE                                                   |
| 319                      | HUPP, DANNY                                                            |
| 408                      | THOMAS, VEDA M                                                         |
| 410                      | PARKER, D J                                                            |
| 411                      | SWITZER, DOUGLAS H                                                     |
| 414                      | HENDERSON, VICKI                                                       |
| 418                      | BROWN, DENNIS JR                                                       |
| 600                      | MAGRUDER, J E                                                          |
|                          |                                                                        |



- 1904 DEEKEN, L J
  - 1926 SIMANOWITZ, MICHAEL B
  - 2017 GREAT WESTERN MANUFACTURING CO
  - 2024 NEWKIRK FOODS INC
  - 2106 VIDEO EXPRESS
  - 2107 FOUR B CORP
  - PRICE, CHOPPER
  - 2110 MARTIES WHOLESALE
  - 2111 TACO MINNIE INC
  - 2201 DE SOUZA DERRICK J MD PA
  - 2205 ANESTHESIA SERVICE INC
  - 2209 BUDY, JOHN
  - 2215 SONIC
  - 2300 DAWSON THOMAS M
  - 2500 SCIENCE APPLICATIONS INTL CORP
  - 2507 HAAS, FRED J
  - 2510 PENNINGTON, EVERETT
  - 2516 WATKINS, L

## MARION ST 1989

| 8<br>MARION ST -FROM 2200 1ST<br>WEST                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| ZIP CODE 66048<br>103 Anderson Rick © 682-1911                                                                                 |  |
| 106 Biczak Agnes 682-4756<br>107 Outlaw Geo<br>108★Sittenauer M                                                                |  |
| <ul> <li>110 No Return</li> <li>111 Chinn Richd</li> <li>112 Schaub Joseph F © 682-4871</li> </ul>                             |  |
| 115★Brillouet Trudy L<br>119★Clark Jeffrey L                                                                                   |  |
| <ul> <li>123 Hyson Harold  <sup>●</sup> 682-6110</li> <li>S 2D ST INTERSECTS</li> <li>201 Auto Center repr 682-3576</li> </ul> |  |
| 207-09 Storage Box Inc whse<br>rental stge 727-1236                                                                            |  |
| <ul><li>211 Century Van Lines 651-3600</li><li>220 Regnier Dennis</li><li>235 Lake's Auto Salvage 682-3191</li></ul>           |  |
| 236 Lake Cath P Mrs      682-7627<br>S 3D ST INTERSECTS<br>City Of Leavenworth Street                                          |  |
| Department 682-9201                                                                                                            |  |
| 309 No Return 6                                                                                                                |  |
| 313 Wages Repair Service wldr<br>682-7086                                                                                      |  |
| 315 Dan's Truck Repair & Mobile<br>Shop 651-2079<br>S 4TH ST INTERSECTS                                                        |  |
| 408 Pleaz U Hair Salon 651-4240<br>Thomas Veda 651-4240                                                                        |  |
| 409 No Return<br>410★Benntt W Scot 682-9847<br>ROSE ST INTERSECTS                                                              |  |
| <ul> <li>411 Switzer Douglas  <ul> <li>651-3727</li> <li>412 Vacant</li> <li>414 Valencia John</li> </ul> </li> </ul>          |  |
| 416 Vacant<br>418 No Return                                                                                                    |  |
| 420 Wessel Marvin A 651-0309<br>S 5TH ST INTERSECTS<br>2D AV INTERSECTS                                                        |  |
| NUMBERS IRREGULAR                                                                                                              |  |

Cross Street

Source POLK DIRECTORY CO

S 4TH ST 1989 REED DI DEGINO 1900 Fuji Restaurant 651-2552 2000 Voss J L @ 682-6675 1918 Vacant 1 Vacant (12 Apts 1-12) 2006 Vacant 1914 Leavenworth Decorating Center Inc carpets ret 682-8483 APACHE ST INTERSECTS 2010 Kentucky Fried Chicken 682-1811 2017 Great Western Mfg Co Inc mach shop 682-2291 1926 Simanowitz Josephine M O 682-5853 2030 Flower Garden ret 682-0309 THORNTON ST INTERSECTS 2100 Burger King restr 682-9889 2031 Simpson Helen L Mrs O 682-0917 2105 No Return 2106 Expressi Video movie & vcr rntl 651-3622 2109 C & D Sales II new-used furn 651-4910 2110 Brune Retail Liquor 682-7410 2111 Taco Grande restr 651-6336 MARION ST INTERSECTS 2200 Vacant



Cross Street

Source POLK DIRECTORY CO

### S 4TH ST 1989

S 4TH ST-Contd 2200½ Vacant 2201 Vacant 2205 A & D Hearing Aid Center 682-1308 Anesthesia Service Inc 682-1189 2206 Vacant 2212 Little Caesar's Pizza 651-5333 2216 No Return EVERGREEN ST INTERSECTS 2300 Monarch Financial Group 682-3000 2309 Sonic Drive-In restr 682-4545 STATE AV INTERSECTS 2300 Dawson Thos M Hon lwyr 682-5331 Kelly Michl E lwyr 682-5331 2300½ No Return 2310 Leavenworth National Bank & Trust 682-2300 . FIVE MILE CREEK BRIDGE INTERSECTS SANTA FE ST INTERSECTS 2500 Vacant Perceptronics Inc computer software 682-7434

# MARION ST 1984

| 8<br>MARION ST —FROM 2200 1ST                                                                                                                                                                                                                                                                                            | 55  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| WEST                                                                                                                                                                                                                                                                                                                     | 5   |
| ZIP CODE 66048                                                                                                                                                                                                                                                                                                           | 5   |
| 103 Early Abe L @ 651-6696                                                                                                                                                                                                                                                                                               | 555 |
| 106 Biczak Agnes L ◎ 682-4756<br>107 Vacant                                                                                                                                                                                                                                                                              | U   |
| 108 Vacant                                                                                                                                                                                                                                                                                                               |     |
| 111 Murphy James B Jr ⊚<br>682-1763                                                                                                                                                                                                                                                                                      |     |
| 112 Schaub Joseph F ◎ 682-4871<br>115★Haas Francis J ◎ 651-2713                                                                                                                                                                                                                                                          | 9   |
| 119 Schmidt Terry L                                                                                                                                                                                                                                                                                                      | 9   |
| 123 No Return<br>S 2D ST INTERSECTS                                                                                                                                                                                                                                                                                      |     |
| 207-09 Storage Box Inc whse                                                                                                                                                                                                                                                                                              |     |
| rental stge 682-1786                                                                                                                                                                                                                                                                                                     | ę   |
| 211 Century Van Lines 651-3600<br>220*Tillen Cindy L 682-5240                                                                                                                                                                                                                                                            |     |
| 235 Lake's Auto Salvage 682-3191                                                                                                                                                                                                                                                                                         |     |
| 236 Lake Harley L   6 682-7627                                                                                                                                                                                                                                                                                           | -   |
| S 3D ST INTERSECTS<br>City Street Department                                                                                                                                                                                                                                                                             | 1   |
| Service Center (shop)                                                                                                                                                                                                                                                                                                    | 1   |
| 682-9201                                                                                                                                                                                                                                                                                                                 | -   |
| 6                                                                                                                                                                                                                                                                                                                        |     |
| 309 No Return<br>313 Wages Repair Service wldr                                                                                                                                                                                                                                                                           | -   |
| 682-7086                                                                                                                                                                                                                                                                                                                 | -   |
| 315 M & M Body Shop auto body<br>repr 682-6842                                                                                                                                                                                                                                                                           |     |
| 319½ Vacant<br>S 4TH ST INTERSECTS                                                                                                                                                                                                                                                                                       |     |
| 408 Wrigley David E                                                                                                                                                                                                                                                                                                      |     |
|                                                                                                                                                                                                                                                                                                                          |     |
| 409 Loboda Helen A 💿 682-3749                                                                                                                                                                                                                                                                                            |     |
| 409 Loboda Helen A ◎ 682-3749<br>410 Vacant                                                                                                                                                                                                                                                                              |     |
| <ul> <li>409 Loboda Helen A ◎ 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> </ul>                                                                                                                                                                                                      |     |
| <ul> <li>409 Loboda Helen A ◎ 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> <li>412 Vacant (412-420)</li> </ul>                                                                                                                                                                        |     |
| <ul> <li>409 Loboda Helen A ◎ 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> </ul>                                                                                                                                                                                                      |     |
| <ul> <li>409 Loboda Helen A ◎ 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> <li>412 Vacant (412-420)<br/>S 5TH ST INTERSECTS</li> </ul>                                                                                                                                                |     |
| <ul> <li>409 Loboda Helen A ◎ 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> <li>412 Vacant (412-420)<br/>S 5TH ST INTERSECTS</li> <li>2D AV INTERSECTS</li> <li>550 Magruder Carrie G Mrs ◎<br/>682-1028</li> <li>4TH AV INTERSECTS</li> </ul>                                         |     |
| <ul> <li>409 Loboda Helen A © 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> <li>412 Vacant (412-420)<br/>S 5TH ST INTERSECTS</li> <li>2D AV INTERSECTS</li> <li>550 Magruder Carrie G Mrs ©<br/>682-1028</li> <li>4TH AV INTERSECTS</li> <li>554 Summers Ralph E © 682-1021</li> </ul> |     |
| <ul> <li>409 Loboda Helen A ◎ 682-3749</li> <li>410 Vacant<br/>ROSE ST INTERSECTS</li> <li>411 No Return</li> <li>412 Vacant (412-420)<br/>S 5TH ST INTERSECTS</li> <li>2D AV INTERSECTS</li> <li>550 Magruder Carrie G Mrs ◎<br/>682-1028</li> <li>4TH AV INTERSECTS</li> </ul>                                         |     |



Cross Street

Source POLK DIRECTORY CO

| S 4TH ST-Contd                                 |
|------------------------------------------------|
| 1728 No Return                                 |
| 1732 T C R Work-N-Western                      |
| western wear ret 651-5623                      |
| 1734 Paradise Donuts 651-6351                  |
| 1738 Taco Johns restr 682-7666                 |
| PENNSYLVANIA ST BEGINS                         |
| 1802 Vacant                                    |
| 1808 Thompson Ernest D 💿                       |
| 682-9065                                       |
| 1812 Hughes Bill & Son Used<br>Cars 682-3383   |
| 1901 G N B Batteries Inc auto                  |
| battery mfrs 682-1551                          |
| 1904 Quest Lena J Mrs ©                        |
| 682-4086                                       |
| 1912 A & W Family Restaurant                   |
| 682-3077                                       |
| 1924 Saco Service Station gas &                |
| beverage 682-0233                              |
| REES ST BEGINS                                 |
| 1936 Oriental Food & Gift Store                |
| 651-2552                                       |
| 2000 Voss J L 682-6675                         |
| 2002 Decorating Center carpet                  |
| vinyl tile retail 682-8483                     |
| 2004 Piechowiak Clarence J                     |
| 682-1053                                       |
| 2006 Simanowitz Josephine M Mrs                |
| © 682-5853                                     |
| APACHE ST INTERSECTS                           |
| 2010 Kentucky Fried Chicken                    |
| 682-1811                                       |
| 2017 Vacant                                    |
| 2020 Flower Garden flowers ret                 |
| 682-0309                                       |
| THORNTON ST INTERSECTS                         |
| 2100 Burger King restr 682-9889                |
| 2101 Simpson Helen L Mrs O                     |
| 682-0917                                       |
| 2105 No Return                                 |
| 2106 Freight Furniture Warehouse               |
| furniture retail 682-4441                      |
| 2109 Vacant<br>2110 Parabart Poteil Liquer     |
| 2110 Barnhart Retail Liquor<br>682-7410        |
| 2111 Taco Grande restr 651-6336                |
| MARION ST INTERSECTS                           |
| 2200 Mor-Gain com sys 682-3142                 |
| 2200 Mor-Gain com sys 062-5142<br>2200½ Vacant |
| 2200 De Souza Derrick J phys                   |
| 651-6030                                       |
| De Souza Cherilyn M phys                       |
| 651-6030                                       |
| 2205 Burns Grigshy & Thompson                  |

2205 Burns Grigsby & Thompson dentists 682-8480

Grigsby Keith dentist 682-8480 Burns F Robt dentist 682-8480 Thompson R Wayne orthodontist 682-8480 2206 Urdea Stella G @ 682-3542 2209 Budy John C @ 682-5870 2212 Mister Donut donuts ret 651-7031 EVERGREEN ST INTERSECTS 2215 Vacant STATE AV INTERSECTS 2300 Kellner Realty Inc 682-8882 2300½ Inselman Edmund 682-3362 2310 Vacant FIVE MILE CREEK BRIDGE INTERSECTS SANTA FE ST INTERSECTS 2500 Century Twenty-One-American Real Estate 682-5550 Perceptronics Inc computer software 682-7434 2501★Nichols Mary 2507 Phillips Margt I Mrs O 682-8696 2508 Vacant 2509 First A G Church Annex 682-0508 2510 Pennington Everett M O 682-6206 **2516 Apartments** 1 Vacant 2\*Jefferson David W 682-2171 3 Vacant 4★Ellis Christie SHERIDAN ST INTERSECTS 2601 Assembly Of God Church 682-0508 2604 Vacant 2606 Horton Mike @ 651-5097 2608 Sienkowski Michl C O 682-4870 2612 Paulson Merritt E O 2613 Willey James H @ 682-3996 2616 Martin Ann E Mrs O 682-1297 2619 Coffey's Wrecker Service 682-3091 A R B's Body Shop auto reprs 682-3091 Coffey Roy B Jr 682-3091 2620 Beckner Wm F 682-5239 VILAS ST INTERSECTS

Cross Street ✓ Source POLK DIRECTORY CO

8

## MARION ST 1979

# MARION ST -FROM 2200 1ST WEST

ZIP CODE 66048 103★Earl A L ◎ 651-6696 106 Biczak Agnes L ◎ 682-4756 107 Bennion Jim ◎ 111 No Return 112 Schaub Joseph F ◎ 682-4871 115 Vacant S 2D ST INTERSECTS

Cross Street ✓ Source POLK DIRECTORY CO

### MARION ST 1979

204 No Return 207-09 Storage Box Inc whse rental stge 682-1786 220 Honey Ira R 🔘 228 Vacant FIVE MILE CREEK BRIDGE 235 Lake's Auto Salvage 682-3191 236 Lake Harley L @ 682-7627 S 3D ST INTERSECTS **City Street Department** Service Center shop 682-9201 C NW RY CROSSES 6 309★Mills Hawley 313 Wages Repair Service wldr 682-7086 315 No Return 319½ Vacant S 4TH ST INTERSECTS 408 Wrigley David E @ 651-4517 409 Loboda Helen A @ 682-3749 ROSE ST INTERSECTS 411\*Brown Rita Mrs 651-7570 S 5TH ST INTERSECTS 2D AV INTERSECTS 550 Magruder Jerrel E 682-1028

Target StreetCross Street ✓

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<u>Source</u> POLK DIRECTORY CO

| S 41  | 'H ST-Contd                                      |
|-------|--------------------------------------------------|
|       | Piechowiak Clarence J<br>682-1053                |
| 2006  | Simanowitz Josephine M Mrs<br>© 682-5853         |
| AF    | ACHE ST INTERSECTS                               |
|       | Kentucky Fried Chicken<br>682-1811               |
| 2017  | Simon Johnson Co food                            |
|       | processing equip mfr<br>682-8150                 |
| 2020  | Vacant                                           |
| TH    | ORNTON ST INTERSECTS                             |
|       | Burger King (restr) 682-9889                     |
| 2101  | Simpson Helen L Mrs © 682-0917                   |
| 2105  | Oertel Leo R @ 682-3310                          |
|       | Pay Less Shoe Store<br>682-2693                  |
| 2109  | Holly Goldie F Mrs O                             |
| 2110  | Barnhart Dixie E Retail<br>Liquor 682-7410       |
|       | Taco Grande restr 651-6336<br>RION ST INTERSECTS |
|       | Mor Gain Co mfg antennas                         |
|       | 682-8822                                         |
| 22003 | 2 Crowley Sheryl F 682-3249                      |
| 2201  | Vacant                                           |

Target Street Cross Street  $\checkmark$ 

-

<u>Source</u> POLK DIRECTORY CO

| 2205 Vernon Burns & Neath P A<br>dentists 682-8480 |
|----------------------------------------------------|
| Vernon Jerry pedodontist<br>682-8480               |
| Burns F Robt dentist                               |
| 682-8480                                           |
| Neath Charles pedodontist                          |
| 682-8480                                           |
| Thompson Wayne                                     |
| orthodontist 682-8480                              |
| Grigsby Keith dentist                              |
| 682-8480                                           |
| 2206 Urdea Stella G @ 682-3542                     |
| 2209 Budy John C                                   |
| 2212 Vacant                                        |
| EVERGREEN ST INTERSECTS                            |
| 2215 Sonic Drive In restr 682-5088                 |
| STATE AV BEGINS                                    |
| 2300 Kellner Realty 682-8882                       |
| 2310 J B's Big Boy restr 651-3972                  |
| FIVE MILE CREEK BRIDGE                             |
| SANTA FE ST INTERSECTS                             |
| 2500 Ko Brothers Body Shop auto                    |
| body repr 651-4573                                 |

SACOWERS.

Source POLK DIRECTORY CO

6

## MARION ST 1974

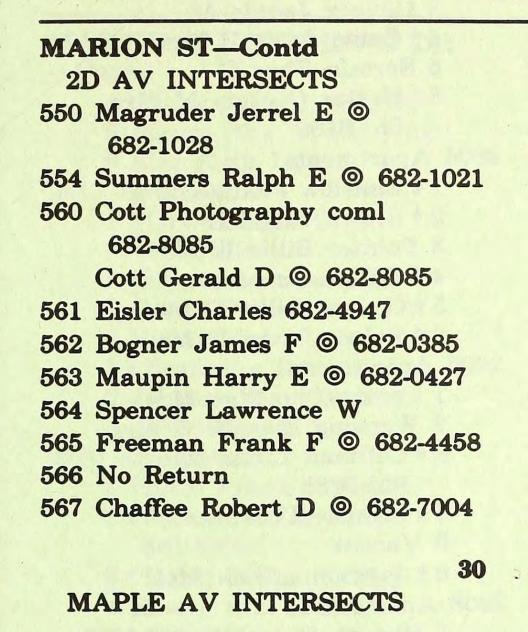
# MARION ST -FROM 2200 1ST WEST

**ZIP CODE 66048** 106 Biczak Agnes L @ 682-4756 S 2D ST INTERSECTS FIVE MILE CREEK BRIDGE 235 Lake's Auto Salvage 682-3191 236 Lake Harley L @ 682-4300 300 \* Birk Gerald L 682-8157 309 Call Albert L @ 651-2423 313 Wages Repair Service wldr 682-7086 S 4TH ST INTERSECTS 408 \* Wrigley Vincent J 651-3544 ROSE ST INTERSECTS 411 \* Baskas James A 651-5207 S 5TH ST INTERSECTS

<u>Cross Street</u> ✓ Source POLK DIRECTORY CO

MARION ST 1974

101



✓

Target StreetCross Street

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<u>Source</u> POLK DIRECTORY CO

| - |                                             |
|---|---------------------------------------------|
|   |                                             |
|   | S 4TH ST—Contd<br>1901 Gould Inc Automotive |
|   |                                             |
|   | Battery Div 682-1551                        |
|   | 1904 * Sanders Adolph A @                   |
|   | 682-3579                                    |
|   | 1906 Pizza Go-Go 682-9403                   |
|   | 1912 A & W Root Beer 682-3077               |
|   | 1924 Wood Charles R Oil Co Inc              |
|   |                                             |
|   | REES ST BEGINS                              |
|   | 2000 Voss Henry L © 682-9699                |
|   | Voss Motel 682-9699                         |
|   | 2002 Kester Frank                           |
|   | 2002½ Vacant                                |
|   | 2004 * Piechowiak Clarence                  |
|   | 2006 Simanowitz Josephine M Mrs             |
|   | © 682-5853                                  |
|   |                                             |
|   | 2010 Kentucky Fried Chicken                 |
|   | 682-1811                                    |
|   | 2017 Johnson Gordon Co poultry              |
|   | processing equip mfr                        |
|   | 682-8150                                    |
|   | 2020 Taco Grande restr 682-6436             |
|   | THORNTON ST INTERSECTS                      |
|   |                                             |
|   | 2100 Waltrip Garold S ©                     |
|   | 682-7163                                    |
|   | Leavenworth Motel 682-7163                  |
|   | 2101 Simpson Noah A @ 682-0917              |
|   | 2105 Oertel Leo R @ 682-3310                |
|   | 2106 Pay Less Shoe Store                    |
|   | 682-2693                                    |
|   |                                             |
|   | 2109 Holly Orville ©                        |
|   | 2110 Johnson Liquor Store                   |
|   | 682-7410                                    |
|   | MARION ST INTERSECTS                        |
|   | 2201 Salvation Army Family Serv             |
|   | Store 682-7573                              |
|   | 2205 Burns Veron Fletcher                   |
|   | Thompson & Assoc dentists                   |
|   |                                             |
|   | 682-8480                                    |
|   | Beall Robt D atty 682-7132                  |
|   | Hurley Patk J lwyr 682-7132                 |
|   | Vernon Jerry dentist                        |
|   | 682-8480                                    |
|   | Burns F Robt dentist                        |
|   | 682-8480                                    |
|   | Fletcher John A dentist                     |
|   | 682-8480                                    |
|   |                                             |
|   | Metropolitan Life Insurance                 |
|   | Co 682-5135                                 |
|   | 2206 Vacant                                 |
|   | 2208 Vacant                                 |
|   | 2209 Budy John C @ 682-5870                 |
|   | 2210 * Kennedy Vicki E                      |
|   | 2212 Vacant                                 |
|   | EVERGREEN ST INTERSECTS                     |
|   |                                             |
|   | STATE AV BEGINS                             |
|   | 2300 Tingle Nelson E © 682-0633             |
|   | 2310 Barnwell Millard E ©                   |
|   | 682-3163                                    |
|   | 2404 No Return                              |
|   | FIVE MILE CREEK BRIDGE                      |
|   | 2415 Vacant                                 |
|   | SANTA FE ST INTERSECTS                      |
|   | SALLAR DE DI HITENDEOID                     |
|   |                                             |

Cross Street

Source POLK DIRECTORY CO

### MARION ST 1969

6 MARION ST -FROM 2200 1ST WEST ---ZIP CODE 66048 101 TAYLOR JAMES W . 103 REED BENJ P . 106 BICZAK AGNES L . 682-4756 114 JEFFERSON RAYMOND S 682-0294 116 FITZHUGH CHARLES N . 682-6819 219 VACANT 220 HONEY IRA R • 682-8684 228 VACANT ---FIVE MILE CREEK BRIDGE 235 LAKE'S AUTO SALVAGE 682-3191 236 LAKE HARLEY L . 682-4300 300 QUALLEY PURLEY D . 682-5579 309 ARNOLD RETTIA V MRS 682-9449 RETTIA'S CONFECTIONERY 682-9449

Target Street Cross Street  $\checkmark$ 

<u>Source</u> POLK DIRECTORY CO



| AAR | ION ST -Contd         |
|-----|-----------------------|
|     |                       |
| 313 | WAGES REPAIR SERVICE  |
|     | WLDR 682-7086         |
|     | 5 4TH ST INTERSECTS   |
| 408 | GORSKI PEARL F MRS    |
|     | 682-2453              |
|     | ROSE ST INTERSECTS    |
| 411 | MEYERS FRANK J        |
|     | 682-4873              |
|     | S 5TH ST INTERSECTS   |
| 550 | MAGRUDER JERREL E     |
|     | 682-1028              |
| 554 | SUMMERS RALPH E       |
|     | 682-1021              |
| 560 | COTT GERALD D .       |
|     | 682-8085              |
| 561 | NO RETURN             |
| 562 | BOGNER JAMES F        |
|     | 682-0385              |
| 563 | MAUPIN HARRY E        |
|     | 682-0427              |
| 564 | NORRIS CHARLES F      |
|     | 682-7070              |
| 565 | FREEMAN FRANK F       |
|     | 682-4458              |
| 566 | EDMINSTER TED H       |
|     | 682-4926              |
| 567 | CHAFFEE ETHEL E MRS . |
|     | 682-1291              |
|     |                       |

```
✓
```

Target Street Cross Street

-

|   | 541151 1909                                  |  |
|---|----------------------------------------------|--|
|   | REES ST BEGINS                               |  |
|   | 2000 VOSS HENRY L .                          |  |
|   | 682-9699                                     |  |
|   | VOSS MOTEL 682-9699                          |  |
| 1 | 2002 VACANT                                  |  |
|   | REAR VACANT                                  |  |
|   | 2004 VOSSMER JOHN F .                        |  |
|   | 682-1053                                     |  |
|   | 2006 VACANT                                  |  |
|   | 2010 VACANT                                  |  |
|   | 2017 JOHNSON GORDON CO<br>POULTRY PROCESSING |  |
|   | EQUIP MER 682-8150                           |  |
|   | 2020 TACO GRANDE RESTR                       |  |
|   | 2100 WALTRIP GAROLD S .                      |  |
|   | 682-7163                                     |  |
|   | LEAVENWORTH MOTEL                            |  |
|   | 682-7163                                     |  |
|   | 2101 SIMPSON NOAH A .                        |  |
|   | 682-0917                                     |  |
|   | THORNTON ST INTERSECTS                       |  |
|   | 2105 DERTEL LED R .                          |  |
|   | 682-3310                                     |  |
|   | 2109 HOLLY DRVILLE .                         |  |
| ; | 2110 MC CARBREY'S LIQUOR                     |  |
| ) | STORE 682-7410                               |  |
|   | 2111 VACANT                                  |  |
|   | 2113 VACANT<br>2115 CURT'S MOTORCYCLES       |  |
|   | 682-4175                                     |  |
|   | MARION ST INTERSECTS                         |  |
|   | 2200 SCHALIPP BROCK E                        |  |
|   | 682-2951                                     |  |
|   | BROCK S ANTIQUES                             |  |
|   | 682-2951                                     |  |
| 0 | 2201 VACANT                                  |  |
|   | 2204 NO RETURN                               |  |
|   | 2205 BEALL ROBT D LWYR                       |  |
|   | 682-7132                                     |  |
|   | DANIELSON RICHD R                            |  |
| - | DENTIST 682-8567                             |  |
| 3 | METROPOLITAN LIFE                            |  |
| 0 | INSURANCE CO                                 |  |
|   | 682-5135                                     |  |
| ; | WATKINS CHARLES B<br>DENTIST 682-1312        |  |
|   | 2206 KEETH GARY A 682-5519                   |  |
|   | 2206 KEETH GART A OUL STA                    |  |
|   |                                              |  |



<u>Source</u> POLK DIRECTORY CO



|                                          | 16          |
|------------------------------------------|-------------|
| 4TH ST S-Contd                           | STATE AND   |
| 2208 ZINK JOHN J J                       | R           |
| 682-2954<br>2209 BUDY JOHN C •           |             |
| 682-5870<br>EVERGREEN ST IN              | TERSECTS    |
| STATE AV BEGINS<br>2300 LEE VESTLE •     | 682-0741    |
| 2301 HENSLEY GED E<br>2309 BARNETT JAMES |             |
| 682-5838                                 | Lands Lange |
| 2310 BARNWELL MILL<br>682-3163           | ARDE        |
| FIVE MILE CREEK                          |             |
| 2415 DOSS VERNON E<br>651-2318           | MRS .       |
|                                          |             |
| 2501 BERRY IVAN C<br>682-7797            |             |
| 2507 PHILLIPS MARG<br>682-8696           | T MRS .     |

<u>Source</u> POLK DIRECTORY CO

## MARION ST 1963

6 MARION — From 2200 1st west to S 18th 1014 Taylor Jas W 💿 carp Reed Benj P 103 Biczak Agnes L 💿 106 Oglesby Jake 108 Jefferson Strawther W 💿 114 115 Vacant Fitzhugh Chas N 116 118 Jefferson Thelma J Mrs S 2d intersects 2014Nolan Walter H 🞯 219 Vacant 2204Honey Ira R 💿 224 Vacant 228 Janasz Anthony Five Mile Creek Bridge 2364Lake's Auto Salvage ALake Harley L 💿 300<sup>(AQualley Purley D)</sup> 309Arnold Hettia V Mrs 💿 Rettia's Place beer 313 Wages Repair Service S 4th intersects 408&Gorski Pearl F Mrs . 4094Loboda Gussie Mrs 💿 **Rose intersects** 411 Meyers Frank J 10 S 5th intersects 5504 Magruder Jerrel E 💿 554 Summers Ralph E 💿 560<sup>4</sup>Cott Gerald D 561<sup>A</sup>Smith Margt Mrs <sup>O</sup> 562 Bogner Jas F 'O' 5634 Maupin Harry E 🞯 564 Norris Chas F AAIIFAIIIA 00

Cross Street

Source POLK DIRECTORY CO

52 52

#### S 4TH ST 1963

4th S-Contd 1948 Marsh School of Accordian mus tchr **Rees** begins 2000AVoss Henry L @ AVoss Motel 2002 AMarshall Lloyd E 💿 rear Beaver Chas E 💿 2004 Vossmer John F @ 20064Simanowitz Michl B 2010 Conrad Minnie A Mrs 10 2017 Johnson Grodon Co poultry processing equip mfr Gordon Johnson Co poultry processing equip 2020 Buddie's Drive In restr 2100 Leavenworth Motel AWaltrip Garold S 10 2101ASimpson Allen N 💿 Thornton intersects 2105 Oertel Leo R 💿 2109 Holley Orville E 💿 2110 Woellhart Liquor Store 2111 Vacant 2113 Coryell Mary E Mrs 21154Thrift Shop used mdse Marion intersects 2200 Vacant 2200½Vacant 2201 Pike Tavern 2203 Vacant 2204 AMyers Robt L 2206 Courter Gladys M Mrs 22084Zink John J jr 💿 2209 Budy John C O **Evergreen** intersects State av begins 2300 Drees Harold A 2301 Huff Oscar E . 2309 AHerring Grace C Mrs 💿 2310 Barnwell Millard E 1 **Five Mile Creek Bridge** Snyder intersects 2404 Barnett Luther D 2409 Catt Fred A 2415 Doss Howard A O Santa Fe intersects 2501 Schumann Gertrude O Mrs 'O'

2107 South 4th Street 2107 South 4th Street Leavenworth, KS 66048

Inquiry Number: 5723933.3 July 23, 2019

# **Certified Sanborn® Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

#### 07/23/19 Certified Sanborn® Map Report Site Name: Client Name: 2107 South 4th Street Environmental Works Inc. 2107 South 4th Street 1455 East Chestnut Expressway Leavenworth, KS 66048 Springfield, MO 65802 EDR Inquiry # 5723933.3 Contact: Nicole Lounsberry

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Works Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results: Certification # D983-4502-8FE9 PO# NA 9068 Project

#### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Certification #: D983-4502-8FE9

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

|   | Library of Congress |
|---|---------------------|
| - |                     |

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

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## 2107 South 4th Street

2107 South 4th Street Leavenworth, KS 66048

Inquiry Number: 5723933.8 July 23, 2019

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

## EDR Aerial Photo Decade Package

#### Site Name:

#### Client Name:

07/23/19

2107 South 4th Street 2107 South 4th Street Leavenworth, KS 66048 EDR Inquiry # 5723933.8

#### Environmental Works Inc. 1455 East Chestnut Expressway Springfield, MO 65802 Contact: Nicole Lounsberry



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| Search      | Results: |                                  |           |
|-------------|----------|----------------------------------|-----------|
| <u>Year</u> | Scale    | Details                          | Source    |
| 2017        | 1"=500'  | Flight Year: 2017                | USDA/NAIP |
| 2014        | 1"=500'  | Flight Year: 2014                | USDA/NAIP |
| 2010        | 1"=500'  | Flight Year: 2010                | USDA/NAIP |
| 2007        | 1"=500'  | Flight Year: 2007                | USDA/NAIP |
| 2002        | 1"=750'  | Flight Date: February 13, 2002   | USGS      |
| 1997        | 1"=500'  | Acquisition Date: March 26, 1997 | USGS/DOQQ |
| 1991        | 1"=500'  | Flight Date: October 12, 1991    | USGS      |
| 1985        | 1"=500'  | Flight Date: July 09, 1985       | NHAP      |
| 1982        | 1"=500'  | Flight Date: March 01, 1982      | USGS      |
| 1975        | 1"=500'  | Flight Date: May 04, 1975        | USGS      |
| 1970        | 1"=500'  | Flight Date: October 16, 1970    | USGS      |
| 1960        | 1"=500'  | Flight Date: November 24, 1960   | USGS      |
| 1950        | 1"=500'  | Flight Date: May 23, 1950        | USGS      |
| 1947        | 1"=500'  | Flight Date: November 30, 1947   | USGS      |
|             |          |                                  |           |

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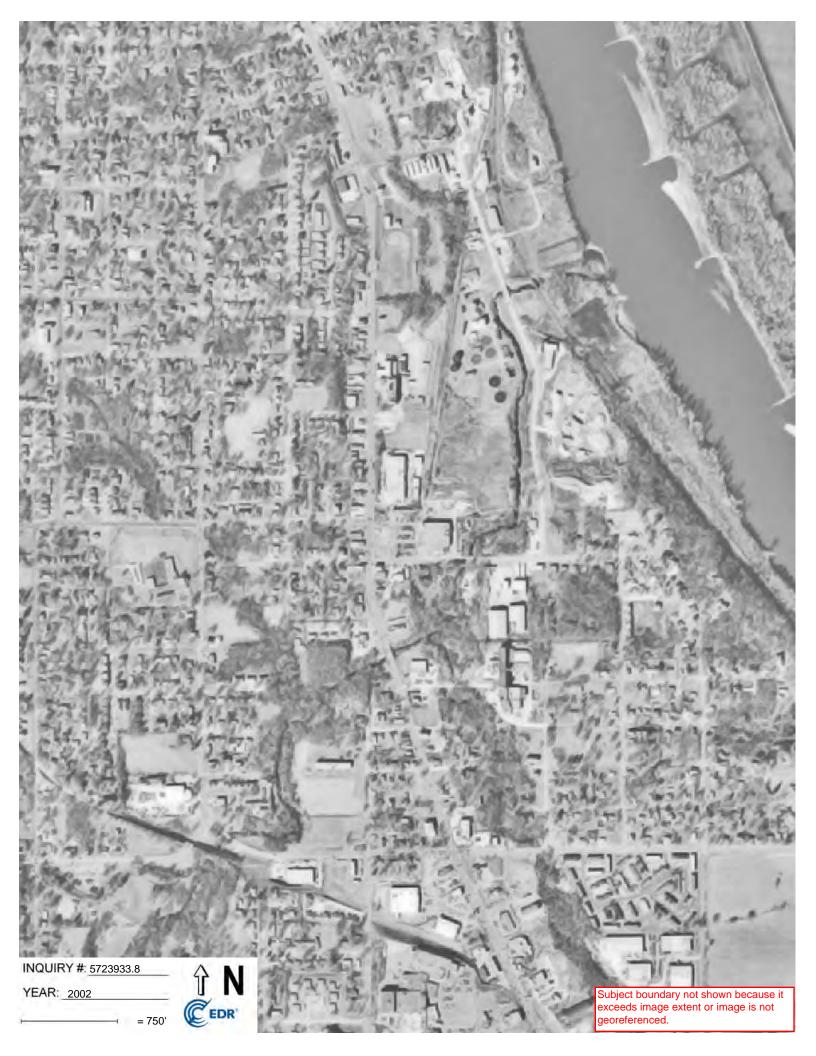
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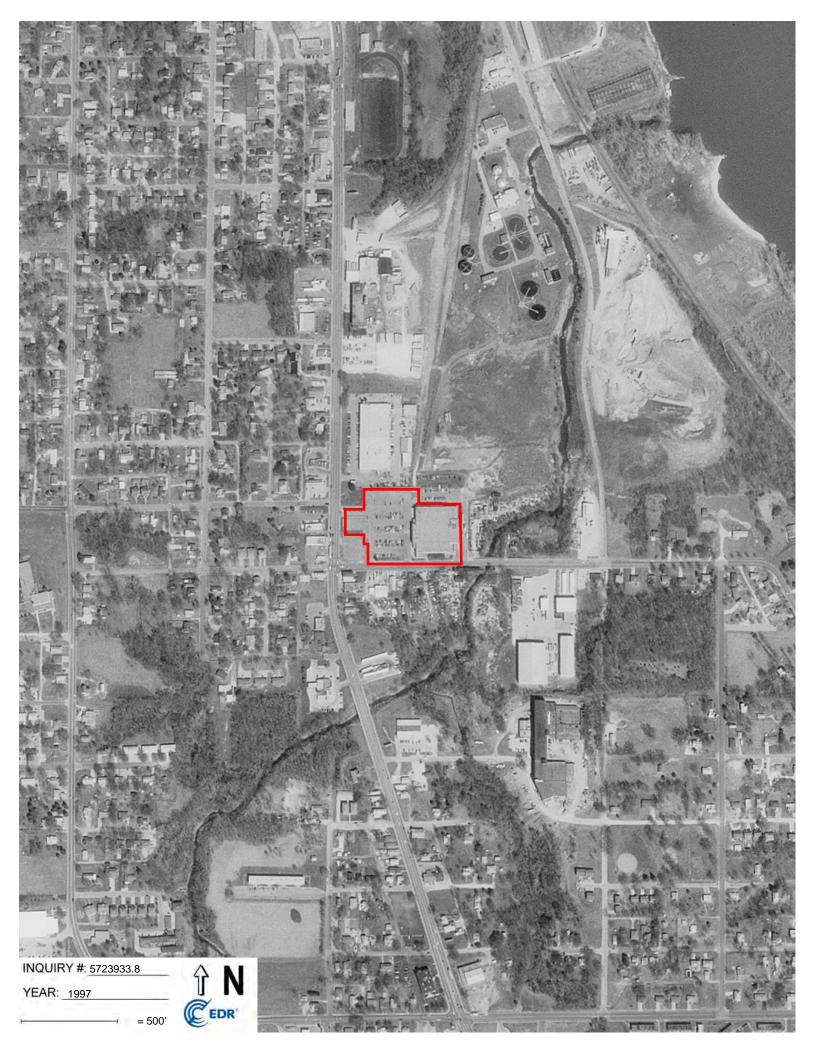






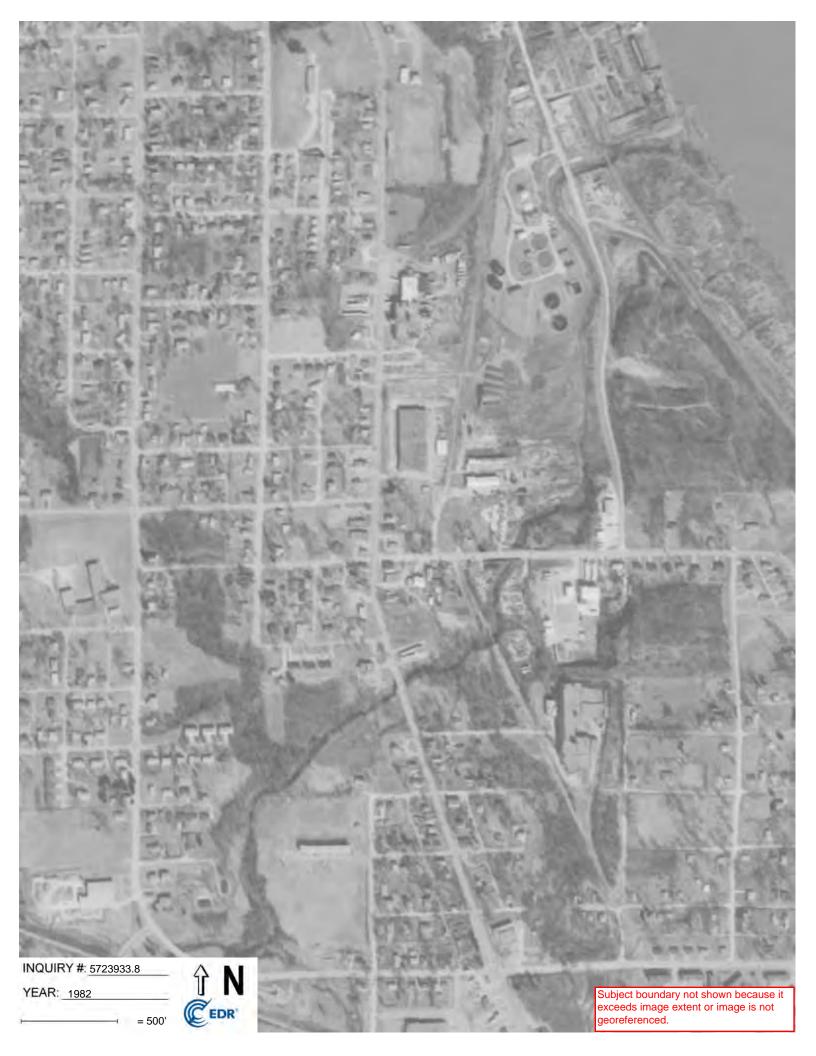










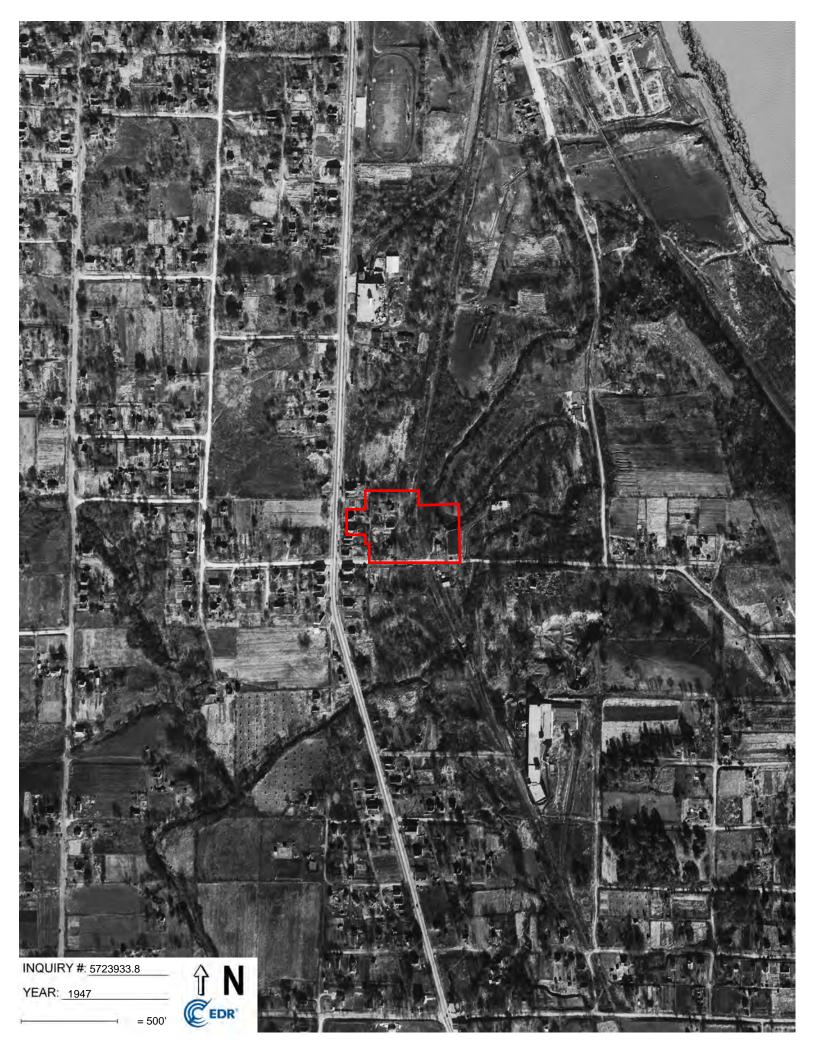












2107 South 4th Street 2107 South 4th Street Leavenworth, KS 66048

Inquiry Number: 5723933.4 July 22, 2019

# EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# Site Name:

2107 South 4th Street

2107 South 4th Street

Leavenworth, KS 66048

EDR Inquiry # 5723933.4

### Client Name:

Environmental Works Inc. 1455 East Chestnut Expressway Springfield, MO 65802 Contact: Nicole Lounsberry



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Environmental Works Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

| Search Results: |      | Coordinates:  |                              |
|-----------------|------|---------------|------------------------------|
| P.O.#           | NA   | Latitude:     | 39.295671 39° 17' 44" North  |
| Project:        | 9068 | Longitude:    | -94.907637 -94° 54' 27" West |
| •               |      | UTM Zone:     | Zone 15 North                |
|                 |      | UTM X Meters: | 335497.98                    |
|                 |      | UTM Y Meters: | 4351323.06                   |
|                 |      | Elevation:    | 778.48' above sea level      |
| Maps Provi      | ded: |               |                              |
| 2012            | 1948 |               |                              |
| 1984            | 1910 |               |                              |
| 1976            | 1894 |               |                              |
| 1975            | 1890 |               |                              |
| 1970            |      |               |                              |
| 1961            |      |               |                              |
| 1951            |      |               |                              |
| 1949            |      |               |                              |

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# **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **2012 Source Sheets**



Leavenworth 2012 7.5-minute, 24000

### **1984 Source Sheets**



Leavenworth 1984 7.5-minute, 24000 Aerial Photo Revised 1982

### **1976 Source Sheets**



LEAVENWORTH 1976 15-minute, 50000

### **1975 Source Sheets**



Leavenworth 1975 7.5-minute, 24000 Aerial Photo Revised 1975

# **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1970 Source Sheets**



Leavenworth 1970 7.5-minute, 24000 Aerial Photo Revised 1970

### **1961 Source Sheets**



Leavenworth 1961 7.5-minute, 24000 Aerial Photo Revised 1947

### **1951 Source Sheets**



Leavenworth 1951 7.5-minute, 24000 Aerial Photo Revised 1947

### **1949 Source Sheets**



LEAVENWORTH 1949 7.5-minute, 25000

## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1948 Source Sheets**



LEAVENWORTH 1948 15-minute, 50000

### **1910 Source Sheets**



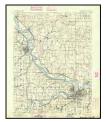
Leavenworth 1910 15-minute, 62500

### **1894 Source Sheets**

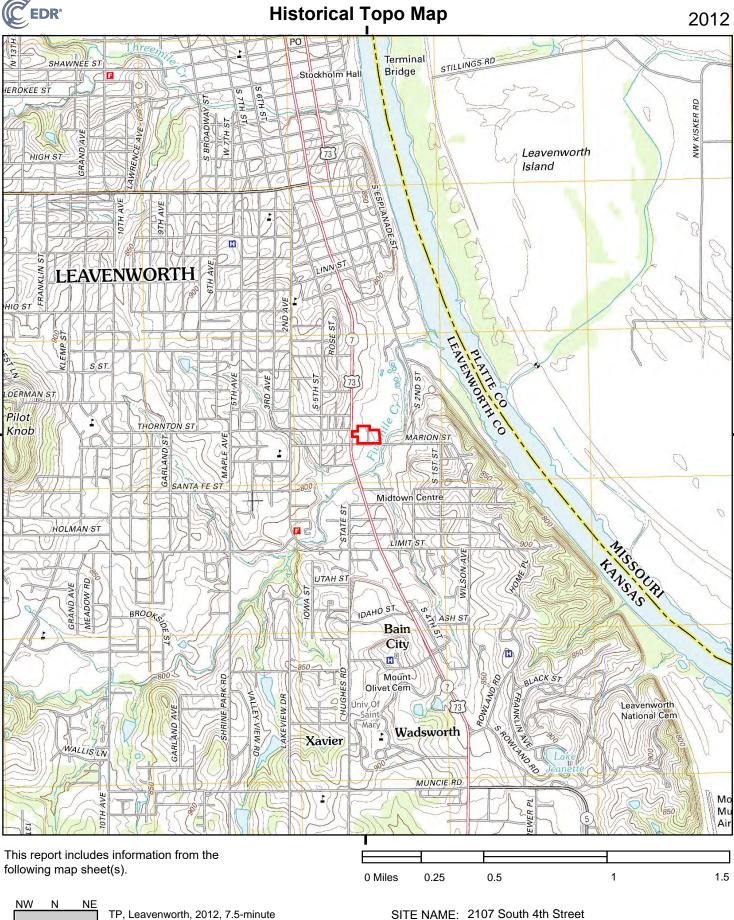


Kansas City 1894 30-minute, 125000

### **1890 Source Sheets**

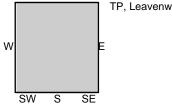


Kansas City 1890 30-minute, 125000



ADDRESS:

CLIENT:



2107 South 4th Street

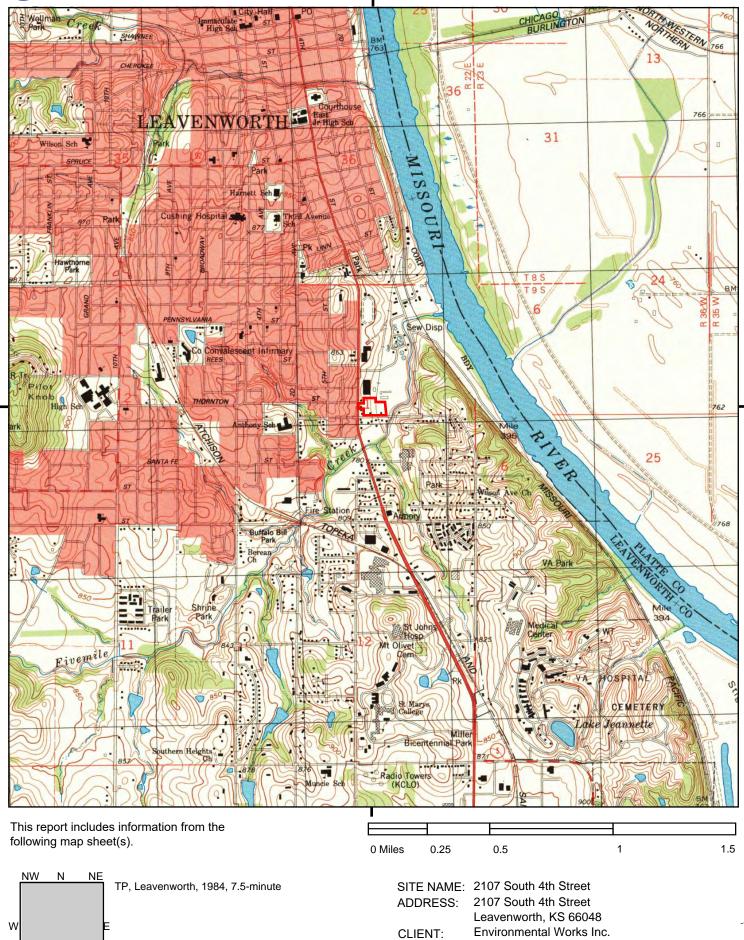


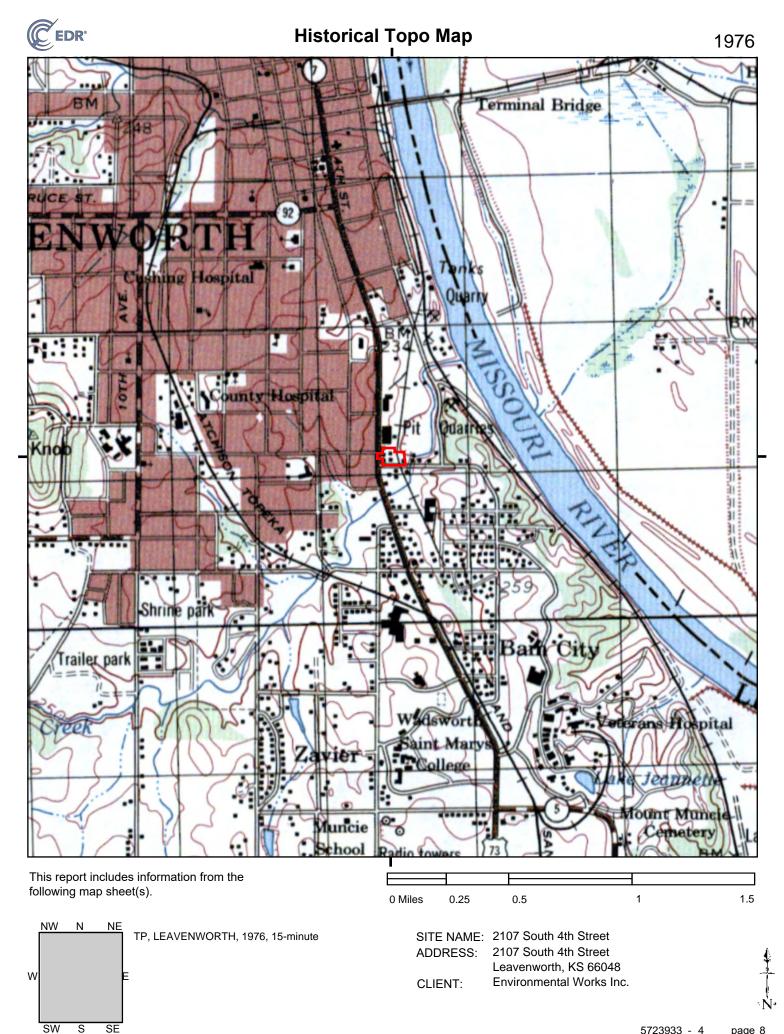
S

SE

**Historical Topo Map** 

1984



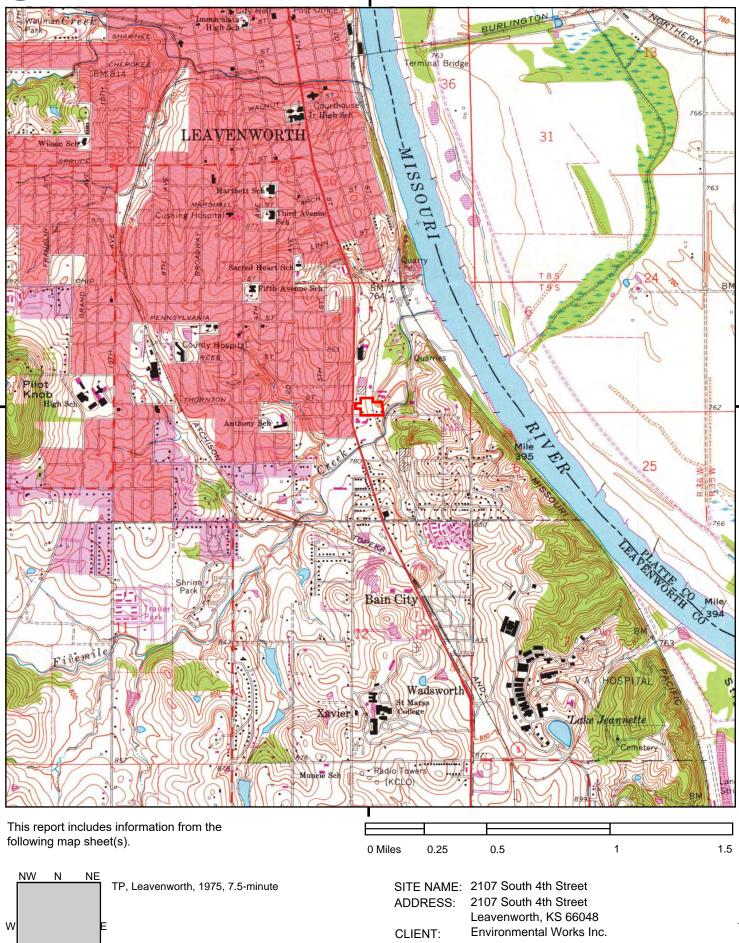




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SE

# **Historical Topo Map**

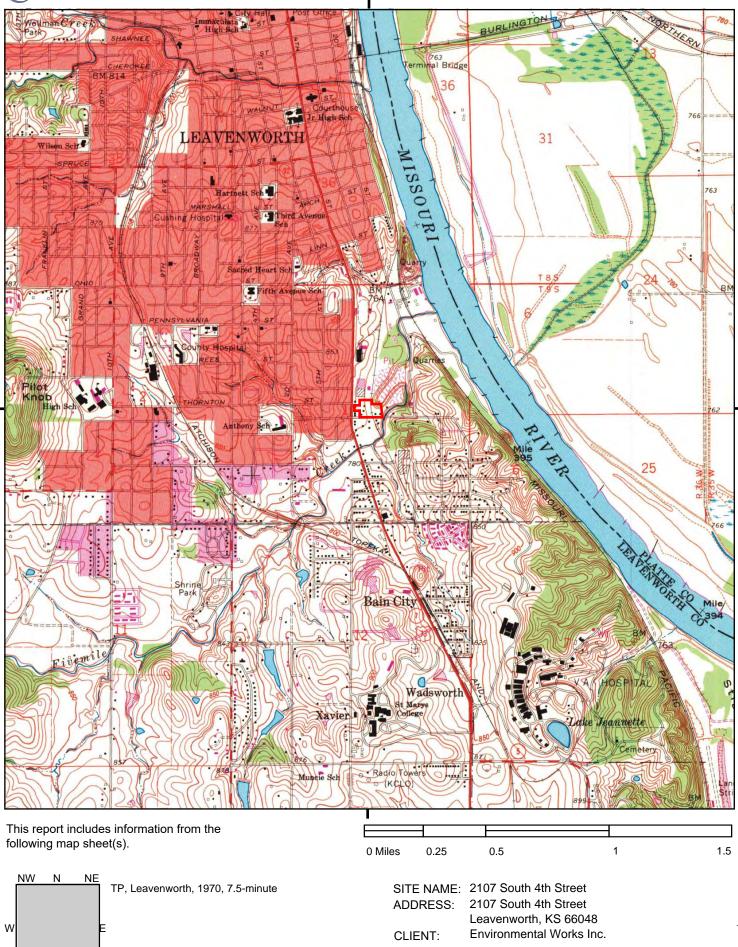




S

SE

# **Historical Topo Map**

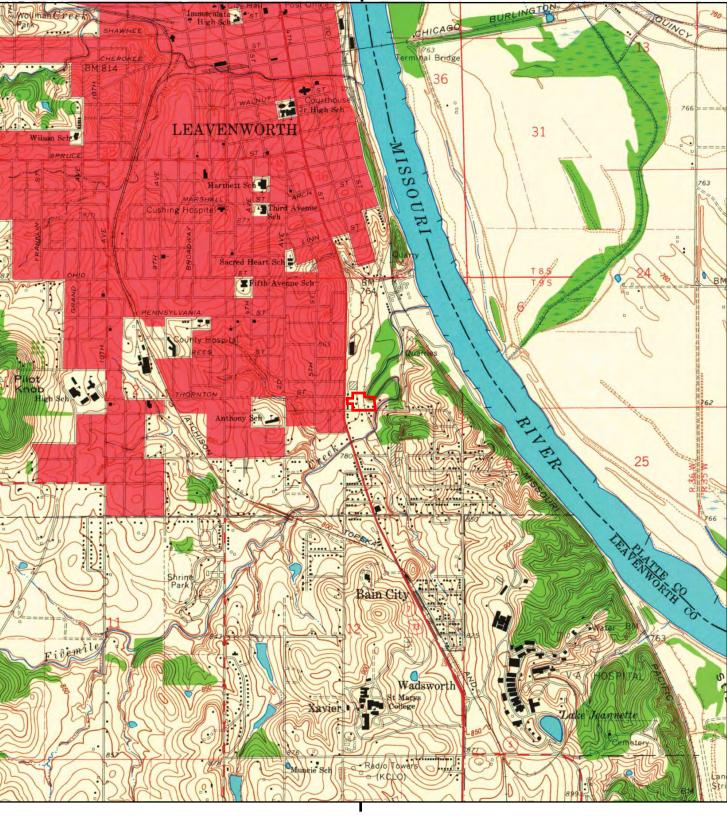




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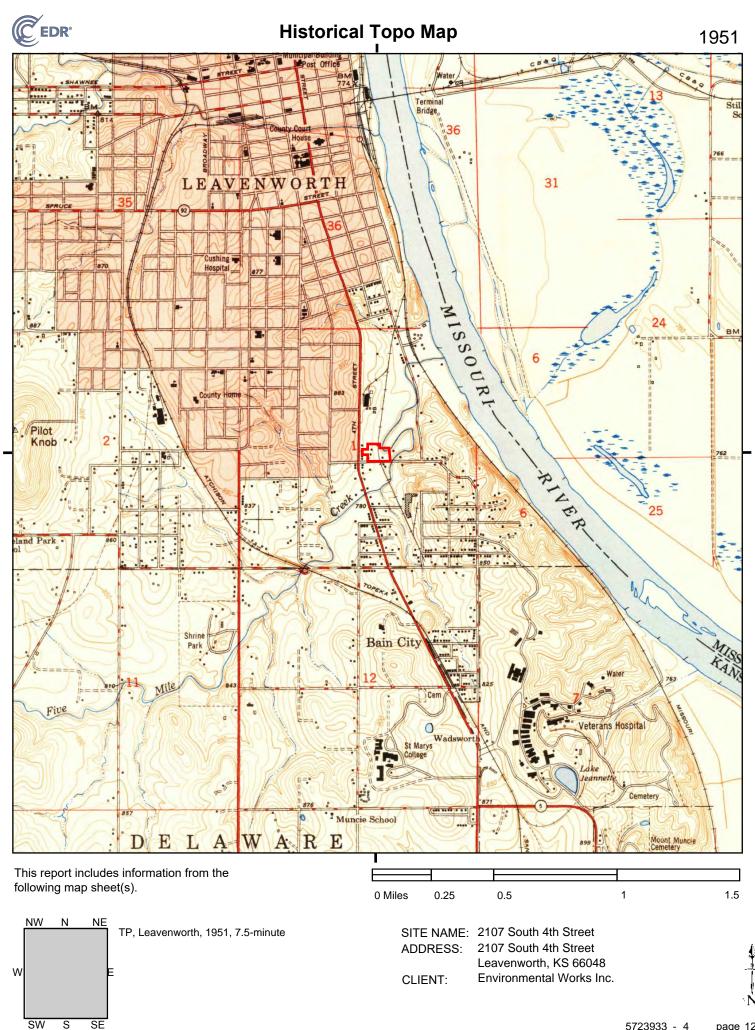
SE

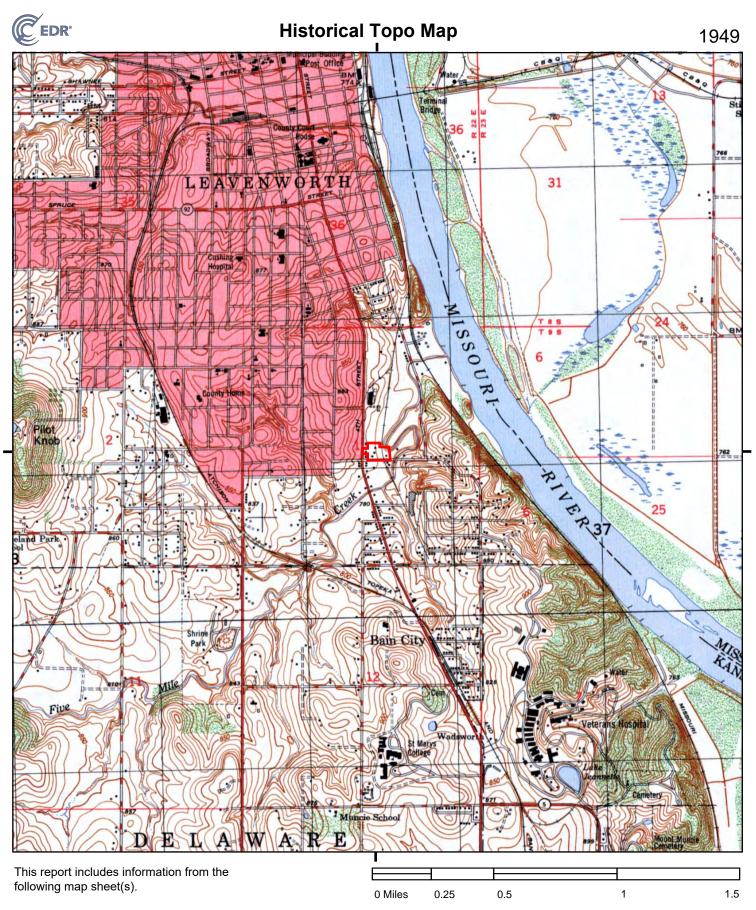
# Historical Topo Map

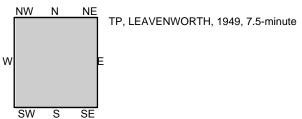


This report includes information from the following map sheet(s). 1 0 Miles 0.25 0.5 1.5 NW Ν NE TP, Leavenworth, 1961, 7.5-minute SITE NAME: 2107 South 4th Street ADDRESS: 2107 South 4th Street Leavenworth, KS 66048 W Environmental Works Inc. CLIENT:

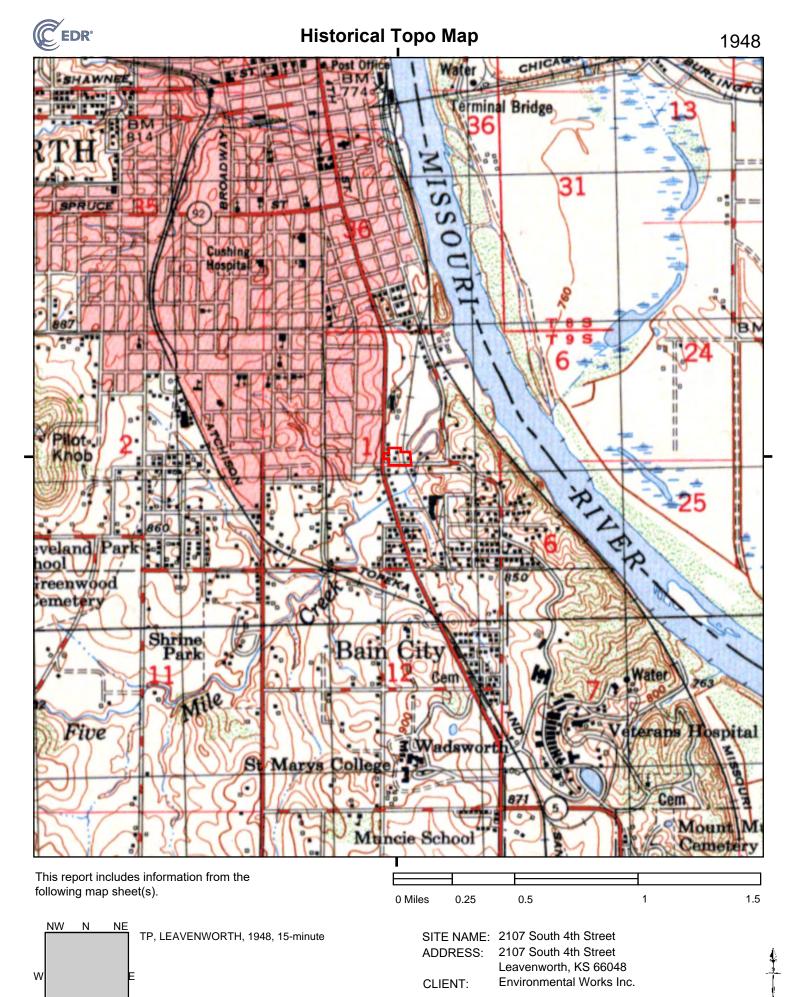
1961







| SITE NAME: | 2107 South 4th Street    |
|------------|--------------------------|
| ADDRESS:   | 2107 South 4th Street    |
|            | Leavenworth, KS 66048    |
| CLIENT:    | Environmental Works Inc. |



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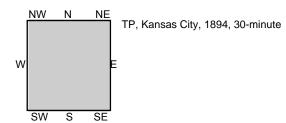


Historical Topo Map





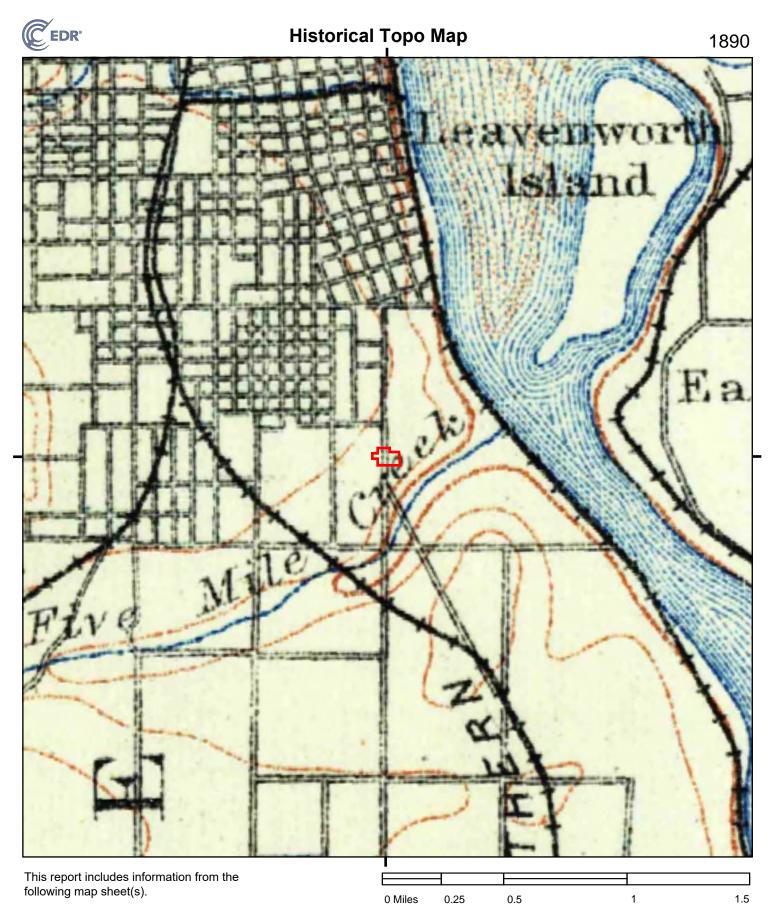


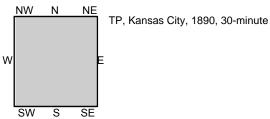


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| SITE NAME: | 2107 South 4th Street    |  |
|------------|--------------------------|--|
| ADDRESS:   | 2107 South 4th Street    |  |
|            | Leavenworth, KS 66048    |  |
| CLIENT:    | Environmental Works Inc. |  |

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# Appendix F

# **Photographic Documentation**



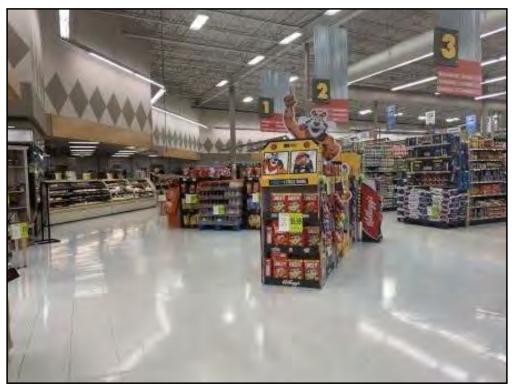
Southeast- Overview of the subject property from the northwest corner.



Southeast- View of the vacant tenant space on the southwest corner of the structure.



Northeast- View of the barber shop located onsite.



North- Interior view of the Price Chopper.





North- View of a kitchen area.



Northeast- View of a kitchen grease trap.



North- View of the back storage/stock area.



North- View of the hydraulic box compactor located in the back storage/stock area.



Southeast- View of the used cooking oil receptacle located in the back storage/stock area.



West- View of the hydraulic trash compactor on the north side of the structure.



North- View of the de minimis spill observed in connection with the hydraulic trash compactor.



West- View of the 5-gallon buckets containing porta plus.



West- View of the loading docks on the southeast side of the structure.



Northwest- View of the transformers located east of the structure. De minimis staining is visible on the platform beneath.



Northeast- View of the north adjoining parking lot.



North- View of the east adjoining auto salvage.



South- View of Marion Street with automotive facilities beyond,



North- View of Great Western Manufacturing with nitrogen and argon ASTs to the north.



West- View of the northwest adjoining parking lot with S 4th Street and Casey's beyond.

Appendix G

Resumes of Environmental Personnel Participating in this Environmental Assessment



# MANDY FLAGEOLLE

# **Project Manager**

## **EDUCATION/CERTIFICATIONS**

B.S., Geology and Geophysics, University of Missouri – Rolla, Missouri, 2003

Registered Professional Geologist: Missouri

ASTM Environmental Professional 2008 to Current

OSHA 40-hr HAZWOPER Certification

OSHA 8-hr Annual Refresher

**BNSF** Contractor Safety Training

**E-RAILSAFE** Certification

Certification in First Aid and CPR

## FIELDS OF SPECIALIZATION

- ASTM Phase I Environmental Site Assessments
- SBA Records Search with Risk Assessments
- ASTM Transaction Screens
- Limited Phase II Subsurface Investigations
- National Environmental Policy Act (NEPA) for telecommunication towers
- National Programmatic Agreement (NPA), Form 620/621 for telecommunication towers
- HUD Environmental Reviews under 24 CFR 58.6
- Project Management
- Account Management

## **EXPERIENCE SUMMARY:**

Ms. Flageolle has 16 years of environmental consulting experience. As a Registered Geologist in Missouri, she performs various duties including Phase I Environmental Site Assessments (Phase I ESAs), National Environmental Policy Act (NEPA) Reviews, and SBA Records Search with Risk Assessments (RSRA). Ms. Flageolle has also conducted Limited Site Investigations and stormwater sampling. Ms. Flageolle is an Environmental Professional (as defined in 40 CFR 312) for Phase I ESAs.

# **KEY PROJECT SUMMARY:**

- Conducted and managed over 800 Phase I ESAs ranging from undeveloped land, cellular towers, wind energy developments, multifamily residential structures, gasoline stations, multi-tenant shopping centers, research facilities, industrial facilities, automobile repair facilities, and office/commercial buildings. Conducted multiple Phase I ESAs to comply with HUD and SBA requirements. In conjunction with Phase I ESAs, managed client driven scopes providing site specific information on asbestos containing materials (ACM), mold, radon, leadbased paint, natural areas review, threatened and endangered species review, historic sites review, historic properties/archaeological resources review, and wetland reviews.
- Project Manager on telecommunications market buildout including multiple locations across Kansas and Missouri. Tasks included preparation for a multitude of raw land sites and co-locations of cellular equipment on telecommunication towers such as completion of Phase I ESAs, NEPA, National Programmatic Agreement (NPA), Form 620/621, asbestos containing materials (ACM) surveys, and lead-based paint (LBP) surveys..
- Project Manager for an urban Housing Authority project to conduct environmental reviews for 47 projects. Tasks included evaluating potential environmental impacts to determine if the project meets federal, state, and local environmental standards. Checklists were completed using the 24 CFR 58.6 including Airport clear zones, Endangered species, Environmental justice, Historic preservation, Noise abatement and control, and Site contamination.
- In conjunction with Phase I ESAs, Ms. Flageolle has conducted visual inspections of properties including multi-family residential structures, office buildings, retail malls, commercial developments, and heavy industrial sites in KS and MO.
- Conduct and manage LSIs in Kansas and Missouri. Responsibilities include preparation of work scopes, collection of soil and groundwater samples, preparation of samples for shipment to a laboratory for analysis, interpretation of analytical results, and preparation of client deliverables.
   Specific sites of concern have included impact by aboveground storage tanks (ASTs) and underground storage tanks (USTs).



### **EDUCATION/CERTIFICATIONS**

B.S. Biology Rockhurst University, 2016

OSHA 40-hr HAZWOPER Certification

Certified in First Aid and CPR

AHERA Certified Asbestos Inspector

Licensed Asbestos Inspector in Missouri, Kansas and Nebraska

### FIELDS OF SPECIALIZATION

- ASTM Phase I Environmental Site Assessments
- Asbestos Inspections
- Environmental Assessments for SBA Loans
- Site Characterization and Investigation
- Historical Research
- Hazardous Material Surveys
- Data Interpretation and Management
- Limited Phase II Subsurface Investigations
- Site Monitoring and Oversight
- Groundwater Sampling
- AutoCAD Engineer

# **Nicole Lounsberry**

## **Associate Scientist**

### **EXPERIENCE SUMMARY:**

Ms. Lounsberry is an Associate Scientist whose main responsibilities include conducting ASTM Phase I Environmental Site Assessments, asbestos inspections and AutoCAD assignments. Ms Lounsberry also has experience in hazardous material surveys, Phase II Environmental Site Assessments and oversight activities. Ms. Lounsberry has an educational background that includes knowledge of biological and environmental science as well as a history of independent research and field assessments.

### **KEY PROJECT SUMMARY:**

- Completed numerous Phase I ESAs which includes historical research, regulatory review, interviews and reconnaissance for large scale industrial manufacturing facilities, gas stations, automotive repair sites, multi-tenant commercial properties, residential and vacant sites throughout the Midwest. Ms. Lounsberry has experience conducting environmental assessments in Missouri, Kansas, Arkansas, Nebraska, Oklahoma, Illinois, Colorado, Texas, Florida, Oregon, North Carolina, Mississippi and Louisiana.
- Performed NESHAP, OSHA and AHERA compliant asbestos inspections on a variety of properties including multi-family and single-family residences, commercial spaces and industrial buildings within Missouri and Kansas. Inspections include sampling of suspect materials, quantification and mapping. Ms. Lounsberry produces reports with follow up recommendations based on client requests.
- Assisted in Phase II ESA activities including direct-push soil and groundwater sampling,.
- Assisted in the oversight of field operations of a large scale lead remediation EPA Superfund site that covered approximately 3 square miles of residential properties.
- Completing projects under short deadlines, enabling clients to make informed decisions regarding environmental risk.
- Completing detailed AutoCAD assignments and adjustments for various projects including Phase I ESAs, Limited Phase II Subsurface Investigations and long-term monitoring projects often under short deadlines.