



September 7, 2016

Mr. Todd Davis
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U.S. Environmental Protection Agency, Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

**Subject: Phase I Targeted Brownfields Assessment
Kuhlman Diecasting
16400 Mission Road, Stanley, Kansas
EPA Region 7, START 4, Contract No. EP-S7-13-06, Task Order No. 0002.019.023
Task Monitor: Todd Davis, Site Assessment Manager**

Dear Mr. Davis:

Tetra Tech, Inc. is submitting the enclosed Phase I Targeted Brownfields Assessment (TBA) report regarding the Kuhlman Diecasting site. The goal of the TBA is to identify recognized environmental conditions (REC), historical RECs, and controlled RECs associated with the subject property. This TBA was completed in accordance with industry standard practice for Phase I Environmental Site Assessments.

If you have any questions or comments regarding this submittal, please call the Project Manager at (816) 412-1772.

Sincerely,

Handwritten signature of John R. Simpson in black ink.

John R. Simpson, CHMM
START Project Manager

Handwritten signature of Joshua D. Mellema in black ink.

Joshua D. Mellema
Environmental Scientist

Handwritten signature of Ted Faile in blue ink.

Ted Faile, PG, CHMM
START Program Manager

Enclosures

cc: Debra Dorsey, START Project Officer (cover letter only)

PHASE I TARGETED BROWNFIELDS ASSESSMENT

**KUHLMAN DIECASTING
16400 MISSION ROAD
STANLEY, KANSAS**

Superfund Technical Assessment and Response Team (START) 4

Contract No. EP-S7-13-06, Task Order No. 0002.019.023

Prepared For:

U.S. Environmental Protection Agency
Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

September 7, 2016

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EXECUTIVE SUMMARY

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase I Targeted Brownfields Assessment (TBA) of the approximately 36-acre Kuhlman Diecasting property (subject property) at 16400 Mission Road in the unincorporated community of Stilwell in Johnson County, Kansas. As part of a redevelopment initiative, the Board of County Commissioners of Johnson County asked EPA to perform a Phase I TBA. The 35.15-acre subject property, bounded south and west by the Blue River, is currently owned by the Kuhlman Diecasting Company and hosts a defunct electroplating facility.

START generally conducted this TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E 1527-13, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

Purposes of the TBA were to identify recognized environmental conditions (REC), historical RECs (HREC), and controlled RECs (CREC) associated with the subject property, and to identify the nature of contamination and risks posed by the contamination, if present.

Findings and Opinions

The following significant findings and opinions resulted from the records review, interviews, and site reconnaissance. This assessment has revealed evidence of two environmental concerns in connection with the subject property:

- Apparent asbestos containing material was observed in several piles throughout the structure. START understands that Johnson County intends to demolish the structure. This material can become friable during demolition activities and could pose a human health risk to those conducting the demolition. This poses an environmental concern to the subject property.

- Several Resource Conservation and Recovery Act (RCRA) post-closure disposal lagoons are within the bounds of the subject property. These units previously received contamination (from on-site operations) that has been capped and isolated to limit risk of exposure. In addition, the facility has received notices of numerous regulatory violations related to mishandling of waste water containing heavy metals. START understands that several removal actions, in conjunction with the above-described RCRA post-closure lagoons, have addressed contamination on the property at and above an industrial risk-based level. A Phase II assessment completed in 2013 also revealed a limited area of petroleum hydrocarbon contamination but is not believed to be widespread. These conditions pose a CREC to the subject property. Potential property development could require additional cleanup to meet more stringent regulatory standards per proposed land use.

Recommendations

START recommends that EPA review this report to determine if further investigation is warranted, considering the proposed future use of the subject property.

1.0 INTRODUCTION

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase I Targeted Brownfields Assessment (TBA) of the approximately 36-acre Kuhlman Diecasting property (subject property) at 16400 Mission Road in the unincorporated community of Stilwell, Kansas. As part of a redevelopment initiative, the Board of County Commissioners of Johnson County asked EPA to perform a Phase I TBA. The 35.15-acre subject property, bounded south and west by the Blue River, is currently owned by the Kuhlman Diecasting Company and hosts a defunct electroplating facility.

START conducted this TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E 1527-13, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (Title 40 *Code of Federal Regulations* [CFR] Part 312). For the purpose of this TBA, the *users* are defined as EPA and Johnson County, Kansas (ASTM 2013 [Section 3.2.98]). EPA tasked START to conduct a TBA of the subject property to identify recognized environmental conditions (REC) associated with the property, and to identify the nature of contamination and risks posed by the contamination, if present (see Appendix A).

For the purpose of this TBA, the subject property is defined as the approximately 36-acre area that includes several interconnected buildings, two former process water basins, and one pond.

1.1 PURPOSE

A primary goal of this TBA is to identify RECs, historical RECs (HREC), and controlled RECs (CREC) to the subject property. A REC is presence or likely presence of any hazardous substance in, on, or at a subject property: (1) due to any release to the environment, (2) under conditions indicative of a release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products, even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public 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 2013 [Section 1.1.1]). An HREC is a past release of any hazardous substances that has occurred in connection with the subject property and has been addressed to the satisfaction of the applicable regulatory authority, or has met unrestricted use criteria established by a regulatory authority without subjecting the subject property to any required controls (ASTM 2013 [Section 3.2.42]). A CREC is a REC resulting from a past release of hazardous substances that has been addressed to the satisfaction of the applicable regulatory authority, with

hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (ASTM 2013 [Section 3.2.18]).

This TBA is intended to satisfy one of the requirements for the innocent landowner defense, the contiguous property exemption, and the bona fide prospective purchaser exemption to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability: that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the subject property consistent with good customary practice,” as defined in 42 *U.S. Code* Section 9601 (35)(B).

1.2 SCOPE OF WORK

EPA developed a scope of work (SOW) for TBA activities at the subject property. The SOW, based on ASTM designation E1527-13, was to identify RECs, HRECs, and CRECs to the subject property. Phase I TBAs typically are conducted in a four-phase process, including: (1) records review; (2) site reconnaissance; (3) interviews with current and previous owners and occupants of the subject property, adjacent property owners and occupants, and local government agencies; and (4) preparation of a report. The EPA SOW is in Appendix A.

Any items listed in the ASTM standard that the report does not specifically identify as present can be assumed not present within the subject property or within such distance to the subject property as to be of potential concern to the subject property. Any item mentioned but not specifically identified as a REC, HREC, or CREC can be assumed not a REC, HREC, or CREC.

1.3 SIGNIFICANT ASSUMPTIONS

The following are beyond the scope of this evaluation: sampling and analysis for radon in indoor air, and for lead in drinking water; evaluations of indoor and/or outdoor air quality, regulatory compliance, industrial hygiene, and noise impacts; and identification of geological or geotechnical hazards.

1.4 DEVIATIONS

Deletions or deviations from ASTM E 1527-13 or the SOW are as follows. For each deviation noted, the START Environmental Professional (EP) has conducted an analysis of the data gaps or failures, and impacts of these on START’s ability to render an opinion regarding conditions indicative of releases or threatened releases of petroleum products or hazardous substances.

- Time gaps of more than 5 years were noted in available historical information. Despite this, the historical operation of the site is believed to be well understood. The EP believes that presence of time gaps does not impact ability to render an opinion regarding RECs.
- No interview was conducted with the property owner because the property is managed by a trust. The former property owner is deceased and representatives of the trust do not have significant knowledge related to activities conducted on site. However, based on the well-documented regulatory history of the subject property, this circumstance does not impact the EP's ability to render an opinion regarding RECS. START's opinion is that significant new information would not be obtained from interviews with representatives of the trust.
- No interviews with adjacent property owners or occupants were conducted. ASTM Practice E 1527-13 does not require interviews with adjacent property owners unless a property has been abandoned and potential unauthorized uses or evidence of uncontrolled access to the abandoned property is evident. The EP believes that information obtained from other adjacent property owners or occupants likely would not be additional to that obtained from other sources.

1.5 LIMITATIONS AND EXCEPTIONS

This report was based partially on information supplied to START from outside sources and on other information available in the public domain. Conclusions and opinions reported herein are based on the information START obtained in compiling the report. This information is on file at START's office in Kansas City, Missouri. START makes no warranty as to the accuracy of statements made by others which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. START does not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of the client's obligations under local, state, or federal laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

1.6 SPECIAL TERMS AND CONDITIONS

There were no special terms or conditions for the TBA.

1.7 STATEMENT OF USER RELIANCE

START is not required to verify independently the information provided to it by the user or gathered throughout the course of this TBA. For this TBA, START may rely on information provided unless actual knowledge is possessed that certain information is incorrect based on additional information obtained during the TBA or otherwise known by the person preparing this report.

2.0 SITE DESCRIPTION

This section briefly describes the subject property and the physical setting based on information obtained from EPA Region 7, Johnson County, and a records review prior to the site reconnaissance. Observations during the site reconnaissance regarding current land use at the subject property and adjoining properties are described in Section 4.0.

2.1 SITE LOCATION AND LEGAL DESCRIPTION

For the purposes of the TBA, the subject property is the approximately 35.15-acre property known as the former Kuhlman Diecasting, Co. facility, at approximately 164th Street and Mission Road in Stilwell, an unincorporated community in Johnson County, Kansas. The subject property is within a mixed rural residential and agricultural area, and is bounded south and west by the Blue River, a tributary of the Missouri River. An active north/south railroad line bisects the property. The facility has previously operated as an electroplating manufacturer, grain storage facility, and a bulk oil storage/transfer facility. Plans for future redevelopment include demolition of on-site structures, and possible greenspace development. Figure 2 in Appendix B shows the site layout depicted on the 2011 aerial photograph.

Coordinates at the approximate center of the property are 38.830741° north latitude and 94.633464° west longitude. The site is within Section 16 of Township 14S, Range 25E. The current address of the subject property is 16400 Mission Road in the unincorporated community of Stilwell, Johnson County, Kansas. The property was assigned a Kansas Unified Parcel Number and legal description by Johnson County. Copies of records associated with the parcel number and legal description are in Appendix C.

The subject property is depicted on the United States Geological Survey (USGS) 7.5-minute series Stilwell topographic quadrangle map (USGS 2012) and Belton topographic quadrangle map (USGS 2015) (see Appendix B, Figure 1).

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The subject property currently hosts a single brick veneer industrial/manufacturing structure originally constructed in 1904, as recorded by the Johnson County Appraiser. Several additions to the original structure have been recorded, with the most recent occurring in 1984. Total square footage of the structure is listed by Johnson County as 76,780 square feet. No other structures are listed on the property. A north/south running railroad line bisects the property completely, and is operated by the Union Pacific Railroad Company. The railroad line property comprises approximately 7.88 acres. The subject property is bounded south and west by the Blue River, a primary tributary of the Missouri River. Mission Road

generally bounds the subject property to the east. The western portion of the subject property is bounded north by undeveloped grassland. The eastern portion of the subject property is bounded north by a small residential and commercial development. Regionally, residential development is predominant to the north, east, and west, with undeveloped or agricultural property to the south. Figure 2 in Appendix B illustrates the subject property location and boundaries.

2.3 CURRENT AND PAST USES OF THE SITE

The subject property is currently a defunct electroplating facility that operated under the name Kuhlman Diecasting Company. Kuhlman Diecasting Company began operating on the property in 1964 and was engaged in manufacture of zinc and aluminum die castings for commercial and industrial clients until 1991, when the facility ceased operations. Processes conducted on site included electroplating of copper, nickel, and chromium on zinc, brass, aluminum, and plastic. A paint spray booth was also utilized on site for several clients. Much of the waste water derived from manufacturing processes was treated on site and discharged into the adjoining Blue River (Jacobs Engineering Group, Inc. [Jacobs] 1988).

The subject property was originally developed as a pipeline pumping station operated by Sinclair Oil in the 1900s. A minimum of seven large petroleum aboveground storage tanks (AST) were present on the property. Several smaller ASTs were also reported to have been on site during this time period. A wheat company then took over operation of the site, cleaned petroleum out of the tanks, and used the tanks for grain storage. Later, a furniture manufacturing facility, operating under the name Chrome and Merit Manufacturing, assumed control of the site and used the property for plating of furniture parts (Jacobs 1988). Kuhlman Diecasting Company purchased a controlling interest of Chrome and Merit Manufacturing in 1962. Operations continued at the site until 1964, when Chrome and Merit Manufacturing was dissolved, and the property began operating as the Kuhlman Diecasting Company facility.

2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE

A single brick-veneer manufacturing structure is present on the western portion of the subject property. Two wastewater evaporation ponds are north of the structure along the west edge of the railroad property. Previously, an access road led into the property from the east, crossing the railroad tracks and extending to a gravel parking area south of the building; however, the railroad crossing and the road have been removed.

2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES

The area surrounding the subject property is primarily residential to the north, east, and west. Undeveloped and grassland property is to the south. Historically, property surrounding the subject property has been agricultural or farmsteads. More extensive residential development began in the mid-1980s and continued until the late 2000s.

2.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS

The following sections describe the environmental setting of the subject property and surrounding area.

2.6.1 Topography

The subject property is depicted on the USGS 7.5-minute series Stilwell, Kansas topographic quadrangle map (USGS 2012) and USGS 7.5-minute series Belton, Missouri topographic quadrangle map (USGS 2015); the subject property is approximately 891 feet above mean sea level (MSL). The topographic gradient of the area is generally toward the Blue River. (Environmental Data Resources, Inc. [EDR] 2016a). The topographic gradient at the subject property is generally flat, with an overall slope to the northeast.

2.6.2 Geologic Setting

Johnson County is in northeastern Kansas and lies within the Osage Cuestas region of the Osage Plains physiographic province. Sedimentary rocks in northeast Kansas range in type from Late Pennsylvanian to Late Cambrian age. Aggregate thickness of these layers in the vicinity of the subject site is approximately 1,700 feet. The subject site is within the Forest City basin. Shale and carbonate constituents, including shale and limestone, are common in Paleozoic formations in this basin. Formal geological profiling was not conducted as part of this TBA.

According to the U.S. Department of Agriculture (USDA) soil survey of Johnson County, Kansas, soils at the subject property are characterized as predominantly Chase and Kennebec silt loams. Chase soils are predominant on the northern portion of the site, and are somewhat poorly drained, moderately fine or fine textured silts and clays. Kennebec soils are predominant on the southern portion of the site adjoining the Blue River, and are moderately well-drained, moderately coarse, textured silt loams. Both Chase and Kennebec soils can be classified as partially hydric (USDA 2015, EDR 2016a).

2.6.3 Hydrogeology

Encounter with shallow groundwater is expected at the subject property. Previous assessments have revealed shallow groundwater at depths less than 10 feet below ground surface (bgs). Groundwater flow direction to the south-southwest was established during previous assessments. Because of the subject property's proximity to the Blue River, groundwater flow and depth are believed highly correlated to river conditions. Groundwater flow and depth could vary over time and with weather conditions.

A search of the USGS and state databases identified 3 federal USGS wells and 44 state wells within a 1-mile radius of the subject property (EDR 2016a). Up to 15 wells are mapped within the boundary of the subject property (see Appendix E). These wells were established during previous assessment efforts at the subject property. Presence of wells on and nearby the subject property does not pose a REC to the subject property.

During the site reconnaissance, no drinking water wells or other intakes were identified on the subject property.

2.6.4 Hydrology

Runoff from the subject property is generally directed to the Blue River at the south and west boundaries of the subject property. At parts of the subject property's western and northern boundaries, a flood control dyke has been constructed to approximately 6 feet above the subject property elevation. Runoff from areas of the subject property near this dyke is directed south to a culvert leading to southern portions of the site. Due to the subject property's location within a meander of the Blue River, the property is mapped within the 100 year Federal Emergency Management Agency (FEMA) floodplain (EDR 2016a). A small pond on the eastern portion of the site likely collects some runoff from property surrounding it. Additionally, two wastewater evaporation ponds are on the northern portion of the site along the west boundary of the railroad property. Some runoff is likely directed into these man-made ponds as well.

3.0 USER-PROVIDED INFORMATION

The following sections summarize information provided by EPA Region 7 and Johnson County (users) regarding the TBA.

3.1 SUMMARY OF TITLE INFORMATION

No title information was provided by the user. A 50-year Chain of Title Report was requested and completed as part of this assessment.

3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Johnson County is aware of flood plain regulations that will restrict some development on the property.

3.3 SPECIALIZED KNOWLEDGE

Reports of several previous assessments were provided by the EPA to START upon commencement of this assessment. These reports include previous Phase I ESAs, Phase II ESAs, Resource Conservation and Recovery Act (RCRA) Facility Assessments, and Phase I and II Removal Assessments. These previous reports are discussed in further detail in following sections.

3.4 OWNER, SUBJECT PROPERTY MANAGER, AND OCCUPANT INFORMATION

The subject property is currently owned by a trust for the former Kuhlman Diecasting facility. Kuhlman Diecasting operated at the property beginning in the early to mid-1960s. Prior to this, a grain storage facility and bulk petroleum storage facility had operated on the property since the early 1900s.

3.5 REASON FOR PERFORMING PHASE I TBA

This TBA was requested by EPA Region 7 for Johnson County, Kansas, to provide an environmental assessment of the property. This TBA intends to satisfy one of the requirements for the innocent landowner defense to CERCLA liability: that is, the practices that constitute “all appropriate inquiry into the previous ownership and uses of the property consistent with good customary practice,” as defined in 42 *U. S. Code* Section 9601 (35)(B). Additionally, START is aware of future plans by Johnson County to demolish the current structure and redevelop the land as a mixed-use recreational facility. Specific plans include construction of a walking trail along the Blue River levy.

4.0 SITE RECONNAISSANCE

START members Mr. John Simpson and Mr. Joshua Mellema conducted the site reconnaissance on August 17, 2016. Access to the property was provided by Mr. Bob Ford with the Johnson County Legal Department. Photographic documentation of the site reconnaissance is in Appendix D.

4.1 METHODOLOGY AND LIMITING CONDITIONS

The site reconnaissance consisted of a visual inspection of the subject property in accordance with requirements set forth in 40 CFR Part 312. The purpose of the reconnaissance of the subject property was to seek out “conditions indicative of releases or threatened releases” as required by ASTM 1527-13. Its purpose was also to gather information from the current owners or operators about any HRECs to the subject property. START conducted the reconnaissance of the subject property for evidence of the following:

- Use, storage, treatment, disposal, or generation of hazardous substances, “controlled substances,” or petroleum products
- Landfills, dumps, or evidence of burial activities or solid waste disposal
- ASTs, underground storage tanks (UST), drums, or containers capable of storing hazardous substances or petroleum products
- Transformers or other electrical or mechanical equipment potentially containing polychlorinated biphenyls (PCB)
- Evidence of petroleum-based heating fuel sources
- Drains, pits, sumps, cisterns, cesspools, or similar receptacles where liquids drain, collect, or are stored
- Pits, ponds, lagoons, or open pools likely to contain hazardous substances or petroleum products or waste
- Staining on pavement or areas of dead, distressed, discolored, or stained vegetation that may indicate RECs
- Grading or fill material that may indicate contaminated soils or dumping
- Chemical smells, petroleum gases, foul odors, wells, and/or other site-specific environmental conditions.

START mobilized to the subject property to observe current conditions, interview the key site manager, and obtain additional information relevant to the TBA. START also observed the exteriors of adjacent and select nearby properties to assess presence of environmental concerns.

Any items listed in the ASTM method not identified in this section can be assumed not present. Likewise, any item mentioned but not identified as a REC can be assumed not a REC. General recommendations regarding the subject property are offered in Section 8.0.

4.2 GENERAL SITE SETTING

The following sections describe the subject property's current and past uses and exterior and interior features.

4.2.1 Subject Property Description

The subject property encompasses approximately 35 acres of developed commercial property at 16400 Mission Road in Johnson County, Kansas. The subject property is within the unincorporated community of Stilwell, Kansas. The subject property is bisected by an active, north-south running Union Pacific Railroad rail line. A single permanent structure is on the western half of the subject property. Three ponds are within the subject property boundaries—two on the western portion of the subject property and the other on the eastern portion of the property. The Blue River bounds the subject property to the south and west. Mixed rural residential and agricultural property adjoin the subject property, with more significant residential development to the north, east, and west.

4.2.2 Exterior Observations

Overgrown and vacant conditions were observed exterior to the structure on the subject property. Three RCRA post-closure disposal lagoons were observed north and south of the structure. Three water features were observed north of the structure and east of the structure. START also observed several groundwater monitoring wells on the property, results of activities pertaining to post-closure regulations and orders. Figure 2 in Appendix B illustrates the site location and boundaries.

4.2.3 Interior Observations

The interior of the former diecasting facility was vacant and dilapidated. Several abandoned construction equipment items (i.e., cranes and lifts) were observed. Graffiti and other evidence of illegal trespassing were observed throughout the structure. Piles of construction debris and other materials were also observed throughout the structure.

4.3 SPECIFIC RECONNAISSANCE ITEMS

The following sections are related to items observed during the site reconnaissance.

4.3.1 Hazardous Substances and Petroleum Products

Petroleum products and other bulk storage of hazardous chemicals were not observed during the site reconnaissance.

4.3.2 Hazardous Waste

No hazardous waste was observed on the subject property during the site reconnaissance.

4.3.3 Landfills, Dumps, Burials, or Solid Waste Disposal

Three RCRA post-closure disposal lagoons were observed on the property. The three disposal lagoons historically received waste from on-site electroplating operations. The lagoons have been capped with earthen surface cover. Presence of these regulated units poses a CREC to the subject property.

Construction material (some possibly containing asbestos – see Section 4.3.16) and other materials were observed throughout the structure, along with graffiti and other signs of trespassing. Some illegal dumping likely has occurred on the subject property.

4.3.4 Storage Tanks

Underground Storage Tanks

No USTs were observed during the site reconnaissance.

Aboveground Storage Tanks

A single empty AST was observed in the interior of the structure. The tank was not labeled, and its historical contents were unknown at the time of the site reconnaissance.

4.3.5 Polychlorinated Biphenyls-containing Equipment

START observed several abandoned transformers inside and immediately outside of the structure. These appear to have been decommissioned and taken apart for scrap metal. Non-PCB placards were not observed on the transformers. Active transformers were not observed on or adjoining the subject property.

4.3.6 Heating, Ventilation, and Air Conditioning System and Fuel Source

No active heating and ventilation systems were observed during the site reconnaissance.

4.3.7 Drains, Sumps, Pools of Liquids, Standing Water, Cisterns, and Cesspools

Floor drains were observed throughout the interior of the buildings on the subject property. It is believed that these previously drained to the on-site waste water disposal system. Standing water was observed in a shipping ramp. This pool contained tires and other construction debris. No other pools of liquid, standing water, cisterns, or cesspools were observed on the subject property at the time of the reconnaissance.

4.3.8 Pits, Ponds, and Lagoons

Several ponds and former lagoons were present on the subject property. Two of these ponds (North Process Water Basin and South Process Water Basin) are north of the former diecasting facility along the west boundary of the railroad property. Another pond was observed on the east portion of the subject property.

4.3.9 Stains or Corrosion and Stained Soil or Pavement

No corrosion or stained soil was observed, and no stained pavement was observed beyond de minimus conditions in the parking areas.

4.3.10 Areas of Dead, Distressed, Discolored, or Stained Vegetation

No areas of dead, distressed, discolored, or stained vegetation that would indicate RECs were observed on the subject property during the site reconnaissance.

4.3.11 Possible Fill, Grading, or Solid Waste Disposal

Three capped surface impoundments were observed on the subject property during the site reconnaissance. These impoundments represent currently regulated, post-closure, waste water disposal units. The caps appeared to be in good condition, and no leachates or other evidence of compromised integrity were observed on the subject property.

4.3.12 Smells of Chemical Gases, Petroleum Products, or Noxious Odors

No smells of chemical gases or petroleum products were detected at the time of the site reconnaissance.

4.3.13 Wastewater and Stormwater Systems and Discharges

Stormwater at the subject property flows into the Blue River south and west of the subject property. Some stormwater is also likely directed into the three ponds on the property.

4.3.14 Wells and Potable Water Supply

Several groundwater monitoring wells observed on the subject property had been established as part of post-closure monitoring of the regulated capped surface impoundments. Continued monitoring will be a part of the property transfer agreement, according to EPA personnel. Drinking water wells and other public access wells were not observed on the subject property during the site reconnaissance.

4.3.15 Lead-based Paint

ASTM Practice E 1527-13 does not require a survey or testing for presence of lead-based paint (LBP). Based on site reconnaissance, interviews, and historical documents, the subject property buildings had been constructed prior to 1978, when LBP was banned for use inside residential structures; therefore, LBP likely had been used in construction of the subject property buildings. The former facility was visually assessed for presence of LBP, and suspect materials were observed throughout the buildings.

4.3.16 Asbestos-containing Building Materials

ASTM Practice E 1527-13 does not require testing for presence of asbestos-containing building materials (ACBM) as part of a Phase I ESA. Based on site reconnaissance, interviews, and historical documents, the subject property buildings were constructed prior to 1980, when use of ACBM was banned; therefore, ACBM likely had been used in construction of the subject property buildings. A pile of transite-like material (possibly an ACBM) was observed in the interior of the structure. Additional asbestos materials likely are also present within the structure. Presence of this material poses an environmental concern to the subject property.

4.3.17 Other Site-specific Environmental Conditions

No other site-specific environmental conditions were noted during the site reconnaissance.

4.4 VICINITY RECONNAISSANCE

The reconnaissance included a survey of adjoining properties and land uses that could exert adverse environmental impacts on the subject property. The subject property is in a predominantly residential, wooded, and agricultural area.

5.0 INTERVIEWS

The objective of conducting interviews is to obtain information concerning RECs in connection with the subject property. This information was obtained verbally, as indicated below. Interviewees were cooperative and forthcoming with information.

5.1 INTERVIEW WITH OWNER

The property is currently managed by a trust. The current representative of the trust does not have specialized knowledge of on-site activities and would not be able to provide additional information that has not already been obtained. Therefore, interviews with the current owner were not conducted.

5.2 INTERVIEW WITH KEY SITE MANAGER

The property is currently vacant and does not have a current site manager.

5.3 INTERVIEWS WITH CURRENT OCCUPANTS

The property is currently vacant and is not currently operated. Current occupants, therefore, were not interviewed.

5.4 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS

Kuhlman Diecasting operated at the subject property beginning in the early 1960s. Previous owners were unavailable for contact and interviews were not conducted.

5.5 INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS

Tetra Tech submitted a request to the Overland Park Fire Department to determine if the subject property or nearby properties are listed for reported actual or potential environmental impacts, or are under investigation for environmental impacts. Ms. Rhonda Schneider, Administrative Assistant with the Overland Park Fire Department, reported no such records regarding the subject property.

6.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the subject property.

6.1 ENVIRONMENTAL RECORDS SOURCES

The following sources of environmental records were accessed and reviewed as part of this assessment:

6.1.1 Previous Investigations

Beginning in the late 1980s, the subject property has undergone several previous environmental assessments associated with regulatory programs and cleanup actions. Reports of these assessments were provided by EPA for review, and are discussed in more detail below.

1988 – RCRA Facility Assessment: Jacobs Engineering Group, Inc. (Jacobs) completed a facility assessment in 1987-1988 at the request of EPA Region 7, as the first step in the Corrective Action Program promulgated under the Hazardous and Solid Waste Amendments (HWSW) of 1984. Assessment activities included file reviews, visual site inspections, and sampling.

The assessment report outlined, in detail, waste management practices by the facility as part of electroplating activities. Generally, the facility employed several chemical and physical waste management practices that included cyanide destruction, chromium reduction, settling basins, oil and grease skimming devices, and polishing ponds. Regulation of the disposal practices began in 1970. A sludge lagoon and polishing pond were closed and capped in the early 1980s. The assessment report also indicated that treated waste water had been released into the Blue River.

The assessment report identified several releases during the time that the facility was under regulation by the Kansas Department of Health and Environment (KDHE). A 1975 inspection by KDHE revealed that the Blue River stream bed was lined with a bluish to bluish-green precipitate near the Kuhlman discharge location. An inspection in 1976 also found that discharge from sanitary lagoons still contained substantial quantities of metal precipitates that had not been captured in earlier stages of treatment. A later inspection in 1982 by EPA representatives found unregulated dumping of 55-gallon drums containing a mixture of synthetic oil and water from die-casting machinery at the northwest corner of the parking lot. Correspondence with facility ownership revealed that this dumping occurred approximately once every 2 months. Unclear at the time of the assessment was how long this dumping had been occurring.

The facility assessment report also outlined the regulatory compliance history of the facility beginning in 1975. This history includes numerous violations and numerous regulatory compliance orders from EPA. The violations included unacceptable conditions in violation of the facility's National Pollutant Discharge Elimination System (NPDES) permit, failure to renew NPDES permits, and misrepresentation of storage and disposal practices to regulators (Jacobs 1988).

1992 – Removal Assessment Phase II: In 1992, Ecology and Environment, Inc. (E&E) completed a Removal Assessment Phase II and Removal Action at the subject property. Removal activities followed discovery of hundreds of drums/vats containing electroplating wastes that had been improperly stored. The drums were discovered following a fire at the facility in 1991, and subsequent followup inspection by EPA.

The report relates that a Phase I Removal Assessment in 1991 identified and recommended appropriate treatment of wastes contained in the drums. Approximately 900 hundred drums/containers were treated on site. Treated wastewater was discharged into the Blue River in accordance with the facility's NPDES permit. Several drums with high levels of contamination were transported off site for disposal. Following removal of the drums, walls and floors of the structure were steam cleaned.

The Phase II Assessment, initiated in April 1992, involved collection of 2 interior dust samples, 17 interior concrete samples, 6 interior air samples, 9 sediments samples, and 7 subsurface soil samples. The samples were analyzed by EPA's Region 7 laboratory in Kansas City, Kansas.

The dust samples from office carpets contained high levels of chromium, copper, nickel, lead, and zinc. The office carpets had not been cleaned as part of the Phase I Removal. Concrete samples generally contained low concentrations of metals and cyanide, except for samples from several locations, such as the basement, drum storage, diecasting, and plating areas, that showed higher concentrations.

Interior air samples revealed trace levels of contaminants, all at concentrations below National Institute for Occupational Safety and Health Act (NIOSH) exposure limits.

Sediment samples, collected from on-site lagoons, basins, and ponds, contained generally low levels of contamination except for samples from the North Process Water Basin, which contained elevated levels of metals (chromium, copper, zinc). Additional sampling of the North Process Water Basin also revealed presence of elevated levels of cyanide.

Subsurface samples collected from three capped lagoons revealed elevated levels of metals in only one of the three lagoons. That lagoon, referred to as Capped Lagoon #3, was resampled to further delineate levels of contamination, and elevated levels of contamination were found at three boring locations. These locations formed a perimeter within which the area was approximately 600 square feet; contamination was found at depths between 5 and 8 feet bgs.

Surface soil samples were collected across the site. Samples from only two small sections were found to contain elevated metals concentrations—immediately north of the North Process Water Basin and immediately west of the structure (E & E 1992).

1993 – Removal Assessment Phase II: In 1993, E&E completed an additional Phase II Removal Assessment to further delineate elevated soil contamination identified during the assessment completed in 1992. Samples were collected within areas immediately north and west of the structure, and immediately west of the North Process Water Basin. Thirty samples were collected. Analytical results indicated concentrations of zinc exceeding action levels in samples from areas immediately north of the diecasting facility. Nickel concentrations were found to exceed action levels in samples from two small areas west and north of the diecasting facility (E&E 1993).

1995 – Preliminary Assessment/Site Inspection: E&E completed a Preliminary Assessment/Site Inspection in 1995 to support site evaluation and potential listing on the National Priorities List (NPL). Multi-media samples collected as part of this assessment were analyzed to determine impacts on potential contaminant pathways. The assessment report specified three sources of hazardous substances: contaminated on-site surface soils, Capped Lagoon #3 (at the northwest corner of the subject property), and the wastewater treatment discharge pipe to the Blue River. The assessment report identified the surface water pathway as the primary pathway of concern because of recreational fishing activities near the site. No drinking water targets were identified within a 4-mile radius (E&E 1995).

2011 – Phase I Environmental Site Assessment: In 2011, Environmental International Government Ltd. (EIGov) completed a Phase I ESA at the request of Johnson County to provide a general reference for managing risk associated with acquisition of the property. Several RECs were identified during the assessment, including historical use of the site as a bulk oil transfer station and the wells documented during regulatory and cleanup history activities in the late 1980s and early 1990s. Additionally, on-site presence of asbestos containing materials was suspected. The report recommended a Phase II Assessment that would include groundwater and soil sampling to address the suspected contamination (EIGov 2011a, b).

2011 – Lead Based Paint & Asbestos Survey: A lead based paint and asbestos survey was conducted congruently with the Phase I Assessment completed by EIGov. The survey discovered that asbestos, in concentrations greater than 1%, were identified in ten (10) different building materials. Specifically, asbestos was found in transite board, transite roof paneling, floor tile, and ceramic tile mastic. Chrysotile asbestos was also discovered in roofing materials, including the tar paper, in concentrations up to 20%. The assessment recommended that any future renovation or demolition should be done in accordance with applicable local, state, and federal regulations.

Additionally, the assessment identified lead based paint on two components of the structure. Lead was found in the orange paint on the boiler in the southwest corner of the building as well as the green paint on a stone wall located in the central portion of the building. The paint was in poor flaking condition at the time of the assessment. It was recommended that any future renovation/demolition activities should be completed in accordance with local, state, and federal regulations (EIGov 2011B).

2012 – Phase II Targeted Brownfields Assessment: Seagull Environmental Technologies, Inc. (Seagull) completed a Phase II Assessment under the EPA Brownfields program in 2012 in response to the RECs identified during the previous Phase I assessment. The Phase II Assessment included collection of groundwater samples (from temporary direct push wells and permanent wells on site), soil samples, and sediment samples. Analytical results from the collected samples were generally consistent with results from previous assessments that had indicated presence chromium, copper, zinc, and nickel concentrations within capped surface impoundments. The assessment also revealed elevated concentrations of VOCs not identified during previous assessments—near the wastewater sanitary lagoons and near the capped surface impoundments. Review of analytical data by regulators was recommended to determine if additional investigation would be warranted (Seagull 2012).

2013 – Phase II TBA – Tetra Tech completed an additional Phase II TBA in 2013 that included additional soil and groundwater sampling. Results were generally consistent with previous assessments that had identified metals and VOCs concentrations generally around the diecasting facility and sanitary lagoons. This assessment also identified a small plume of total petroleum hydrocarbons (TPH) – diesel-range organics (DRO) in groundwater east of the sanitary lagoons. This was a former location of a large aboveground bulk oil tank. Although TPH-DRO concentrations in the plume exceeded risk levels for residential scenarios, it was not believed that this contamination was widespread. This was the case generally regarding contamination across the site, indicating that contamination on site had been addressed sufficiently for a non-residential land use scenario. Presence of the contamination revealed during this Phase II TBA poses a CREC to the subject property (Tetra Tech 2013).

6.1.2 Environmental Database Search

Federal, state, regional, and local records were reviewed to assess whether the subject property or facilities within the approximate minimum search distance have undergone significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. EDR performed a database search of the subject property in accordance with ASTM E 1527-13. A copy of this report is in Appendix E.

The databases searched have been developed and are updated by federal, state, and local agencies. While these databases are reliable and comprehensive, cases have occurred of data out of date and no longer reflective of actual facility conditions. The Government Records Searched/Data Currency Tracking section of the EDR report in Appendix E identifies when each database was updated.

The database search identifies properties with environmental records from numerous federal, state, tribal, and local regulatory agencies, and distances of these properties from a specified geographic location (typically the perimeter of the subject property). The environmental databases searched and their recommended search radii are listed on the Map Findings Summary on pages 15 through 18 of Appendix E.

START reviewed the facilities listed within the EDR Report (EDR 2016a), as summarized below. The center of the radius search was a point near the center of the subject property.

The subject property has a long history of regulatory compliance and assessment—the subject property was listed in 12 databases searched by EDR. These database listings reflect the long participation of the subject site in regulatory programs.

Facilities cited in the environmental database are summarized in Table 6-1. The listings were associated with Kuhlman Diecasting Company at address of 16400 Mission Road and 164th Street and Mission Road in Stilwell and Stanley, Kansas. Stanley, Kansas was annexed to nearby Overland Park, Kansas, in the early 1980s. The subject property was not annexed and remained unincorporated, in Stilwell, Kansas.

EDR also identified 10 database listings of other facilities that could be mapped within the search radii.

TABLE 6-1

SUMMARY OF REGULATORY AGENCY DATABASE REVIEW

Database Searched	Search Distance (miles)	Subject Property Identified	Number of Other Facilities within Search Distance
Federal Records			
NPL	1.00	No	None
Proposed NPL	1.00	No	None
NPL Liens	TP	No	None
Delisted NPL	1.00	No	None
CERCLIS Federal Facility	0.500	No	None
SEMS	0.500	No	None
SEMS Archive	0.500	Yes	None
CORRACTS	1.00	Yes	None
RCRA-TSDF	0.500	Yes	None
RCRA-LQG	0.250	No	None
RCRA-SQG	0.250	No	None
RCRA-CESQG	0.250	No	None
LUCIS	0.500	No	None
US Engineering Controls	0.500	No	None
US Institutional Controls	0.500	No	None
ERNS	TP	No	None
State and Local Records			
SHWS	1.00	Yes	4
SWF/LF	0.500	No	None
City Dumps	0.500	No	None
LUST	0.500	No	None
LAST	0.500	No	None
Indian LUST	0.500	No	None
FEMA UST	0.250	No	None
UST	0.250	Yes	None
AST	0.250	No	None
Indian UST	0.250	No	None
INST Control	0.500	No	None
VCP	0.500	No	4
Indian VCP	0.500	No	None
Additional Environmental Records**			
RCRA NonGen/NLR	0.250	Yes	1
FINDS	TP	Yes	1
PRP	TP	Yes	None
ICIS	TP	Yes	None
RAATS	TP	Yes	None
US Fin Assurance	TP	Yes	None
ECHO	TP	Yes	1
EDR Hist Auto	0.125	No	1
Total Number of Database Listings*		12	12

TABLE 6-1 (Continued)

SUMMARY OF REGULATORY AGENCY DATABASE REVIEW

Notes:

* A facility may be listed in more than one database.

** Additional environmental records were limited to those with listings within applicable search radii.

AST	Aboveground Storage Tank
AUTO	Automotive
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESQG	Conditionally Exempt Small Quantity Generators
CORRACTS	RCRA Corrective Action Sites
ECHO	Enforcement & Compliance History Information
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
FIN	Financial
FINDS	Facility Index System
HIST	Historical
ICIS	Integrated Compliance Information System
INST	Institutional
LF	Landfill
LQG	Large Quantity Generator
LUCIS	Land Use Control Information System
LAST	Leaking Aboveground Storage Tank
LUST	Leaking Underground Storage Tank
NLR	No Longer Regulated
NonGen	Non-Generator
NPL	National Priority List
PRP	Potentially Responsible Parties
RAATS	RCRA Administrative Action Tracking System
RCRA	Resource Conservation and Recovery Act
RCRA-NonGen/NLR	RCRA – Non Generators/No Longer Regulated
SEMS	Superfund Enterprise Management System
SHWS	State Hazardous Waste Site
SQG	Small Quantity Generator
SWF	Solid Waste Landfill
TSDF	Treatment, Storage and/or Disposal Facility
US	United States
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program

START reviewed the facilities listed within the EDR Report (EDR 2016a), as summarized in Table 6-2.

TABLE 6-2

**SUMMARY OF REGULATORY AGENCY DATABASE LISTINGS
WITHIN APPROPRIATE SEARCH RADII**

Distance (miles) from Subject Property	Address	Direction from Subject Property	Facility Name	Database	Current Status	REC to Subject Property? (Basis)
TP	164 th Mission Road	NA	Kuhlman Diecasting Co	SEMS-ARCHIVE, CORRACTS RCRA-TSDF SHWS UST RCRA NonGen/NLR US FIN ASSUR RAATS PRP ICIS FINDS ECHO	This site has had a long regulatory history that includes numerous violations, removals, and assessments.	Yes – Contamination has been addressed to a non-residential scenario; identified as a CREC.
0.057	16200 Mission Road	NNE	Carstar Automotive, Inc.	EDR HIST AUTO RCRA NonGen/NLR FINDS ECHO	This site has a history as an SQG, as well as a CESQG in the RCRA program. No violations were listed over the history of regulation.	No (status)
0.517	159 th Street & Mission Road	NNE	Engelmann Parcel	SHWS VCP	This facility was entered into a Voluntary Cleanup Agreement with KDHE to address petroleum contamination. It was discovered that contamination was a result of off-site migration from William Kenneth Station site to the north. Site was listed as resolved in 2009.	No (status)

TABLE 6-2 (Continued)

**SUMMARY OF REGULATORY AGENCY DATABASE LISTINGS
WITHIN APPROPRIATE SEARCH RADII**

Distance (miles) from Subject Property	Address	Direction from Subject Property	Facility Name	Database	Current Status	REC to Subject Property? (Basis)
0.660	3419 W. 159 th Street	NNE	Williams – Kenneth Manifold Area	SWHS VCP	This site was originally part of the larger Williams Kenneth Station Property, and was separated out to achieve closure at the larger site. Excavation activities were conducted in 2012. The site is currently undergoing semi-annual groundwater monitoring to address the effectiveness of the remedial measure.	No – Site lies beyond 0.5 mile from the subject property. Assessment work on the subject property has not revealed impacts attributed to this site.
0.666	3410 W. 159 th Street	NE	Williams – Kenneth Station	SWHS VCP	This site originally contained the currently active Manifold Area site discussed above. Petroleum contamination was discovered in the area of a former tank farm. Limited excavation activities occurred and subsequent monitoring revealed contamination below risk-based standards. The Manifold Area site was assigned its own site identification while the larger Station site received a No Further Action designation.	No (status, proximity)
0.666	3410 W. 159 th Street	NE	Williams – Kenneth Station Redevelopment	SHWS VCP	This site was created in 2006 as a clean subsite of the larger Manifold site to support proposed redevelopment. The site was given a No Further Action determination by KDHE.	No (status, proximity)

TABLE 6-2 (Continued)

**SUMMARY OF REGULATORY AGENCY DATABASE LISTINGS
WITHIN APPROPRIATE SEARCH RADII**

Notes:

AUTO	Automotive
CESQG	Conditionally Exempt Small Quantity Generators
CORRACTS	RCRA Corrective Action Sites
CREC	Controlled Recognized Environmental Condition
ECHO	Enforcement & Compliance History Information
EDR	Environmental Data Resources, Inc.
FIN	Financial
FINDS	Facility Index System
HIST	Historical
ICIS	Integrated Compliance Information System
KDHE	Kansas Department of Health and Environment
NA	Not applicable
NE	Northeast
NLR	No Longer Regulated
NonGen	Non-Generator
NNE	North-northeast
PRP	Potentially Responsible Parties
RAATS	RCRA Administrative Action Tracking System
RCRA	Resource Conservation and Recovery Act
RCRA-NonGen/NLR	RCRA – Non Generators/No Longer Regulated
SEMS	Superfund Enterprise Management System
SHWS	State Hazardous Waste Site
SQG	Small Quantity Generator
TP	Target Property
TSDF	Treatment, Storage, and/or Disposal Facility
US	United States
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program

Several orphan facilities were listed in the EDR report. Orphan facilities are database listings that have missing or incomplete location and address information, but that may be included in applicable search radii. Four orphan sites were identified by EDR in the Radius Map Report. The subject property was listed in three additional databases that include the Recovered Government Archive (RGA) Hazardous Waste Site (HWS); the Federal Insecticide, Fungicide, & Rodenticide / Toxic Substances Control Act Tracking System (FTTS); and the Historical FTTS. These listings do not warrant additional review because the condition of the subject property is well documented—further review of these listings is unlikely to result in new or useful information. An additional orphan site was listed and was not found to be within applicable search radii.

6.1.3 Vapor Encroachment Screen

Tetra Tech completed an initial vapor encroachment screen to determine if a vapor encroachment condition (VEC) exists in the subsurface below any proposed subject property structures from hazardous substances, petroleum, and petroleum products that can include VOCs, semi-volatile organic compounds (SVOC), and inorganic volatile compounds. The Tier 1 non-invasive vapor encroachment screen assessed presence of the chemicals of concern within the following approximate recommended minimum search distances specified in ASTM E 2600-10 *Standard Guide for Vapor Encroachment Screening on Sites Involved in Real Estate Transactions* (ASTM 2010):

Area of Concern Approximate Minimum Search Distances Surrounding the Subject Property (miles)		
Standard Environmental Record Sources (where available)	Chemicals of Concern	Petroleum Hydrocarbon Chemicals of Concern
Federal NPL	0.33	0.10
Federal CERCLIS	0.33	0.10
Federal RCRA CORRACTS	0.33	0.10
Federal RCRA non-CORRACTS TSD	0.33	0.10
Federal RCRA Generators	Subject Property Only	Subject Property Only
Federal Institutional Control/Engineering Control	Subject Property Only	Subject Property Only
Federal ERNS	Subject Property Only	Subject Property Only
State and Tribal-equivalent NPL	0.33	0.10
State and Tribal-equivalent CERCLIS	0.33	0.10
State and Tribal Landfill or Solid Waste Disposal Sites	0.33	0.10
State and Tribal LUST	0.33	0.10
State and Tribal UST	Subject Property Only	Subject Property Only
State and Tribal Institutional Control/Engineering Control	Subject Property Only	Subject Property Only
State and Tribal Voluntary Cleanup	0.33	0.10
State and Tribal Brownfield	0.33	0.10

Notes:

CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	RCRA Corrective Action Activity
ERNS	Emergency Response Notification System
LUST	Leaking Underground Storage Tank
NPL	National Priorities List
RCRA	Resource Conservation and Recovery Act
TSD	RCRA Treatment, Storage, and Disposal
UST	Underground Storage Tank

The initial vapor encroachment screen identified the following sites/facilities listed in the EDR report (see Appendix F) as within the minimum search distances and possibly hosting chemicals of concern (EDR 2016i):

- The subject property is listed in 12 databases due to its history as a regulated electroplating facility. Previous assessments and records show historical metal contamination on site. It is unlikely that a significant vapor encroachment concern would be present at the subject property based on the type and nature of contamination found there.
- CarStar Automotive is listed immediately north of the subject property at 16200 Mission road. The facility is not listed as hosting USTs, and no violations were reported. Based on the status of the facility, it does not pose a concern regarding vapor encroachment.

6.1.4 Valuation Reduction for Environmental Issues

Johnson County indicated that the subject property would not be sold; rather, the County would take control of the property once an agreement is reached regarding the County's responsibilities in redevelopment of the property. Therefore, no purchase price is listed for the subject property. However, Johnson County is aware of the historical assessments and regulatory activity that has occurred on the subject property.

6.1.5 Engineering and Institutional Controls

As part of the environmental records search by EDR, federal and state databases for institutional and engineering controls were searched, including EPA's Engineering Controls Sites List and Sites with Institutional Controls and the U.S. Department of the Navy's Land Use Control Information System. No engineering or institutional controls were reported (EDR 2016a).

6.1.6 Title Records

A chain of title was requested in conjunction with this report. Tetra Tech contracted EDR to perform a 50-year chain of title report. The earliest instrument reported by EDR in the report was a Deed in 1936 that transferred ownership from Sinclair Prairie Pipe Line Company to Sinclair Refining Company. This is consistent with other historical records that show a pipeline company operated at the property from the

early 1900s. This deed likely was related to corporate structuring. A similar deed was filed in 1951 that transferred ownership to Sinclair Pipe Line Company.

A deed executed in 1953 transferred ownership to a Mid-States Pipe & Supply Company, Rogers & Wright, Inc., and a River Construction Corporation. One year later, the tenants executed a deed that transferred ownership to Gertrude Krost. Ms. Krost then executed a deed in 1957 to a Milo Sawyer, William G. Nutt, and Harry L. Leva. Other owners in 1957 included Anne K. Sawyer and Joseph Koralchik. Ownership was obtained by Kuhlman Diecasting Company in 1962-1969 (EDR 2016h) (see Appendix G-5). The property has since been owned by the Kuhlman Diecasting Company, listed as the current owner with Johnson County.

6.2 HISTORICAL USE INFORMATION REGARDING THE SITE AND ADJOINING PROPERTIES

Historical data regarding the subject property and surrounding area were gathered to determine past uses and evaluate visible environmental issues that may pose RECs. The following sections describe aerial photographs, Sanborn maps, topographic maps, city directories, and past environmental reports available regarding the subject property. Historical use documentation referenced in the following sections is in Appendix G.

6.2.1 Sanborn Map Report

Sanborn maps were not available for review (EDR 2016c) (see Appendix G-1).

6.2.2 Aerial Photographs

START reviewed aerial photographs of the subject property and surrounding area for years 1937, 1941, 1948, 1955, 1959, 1966, 1975, 1979, 1982, 1986, 1991, 1996, 2002, 2005, 2006, 2008, 2010, and 2012 (EDR 2016d) (see Appendix G-2). Table 6-3 is a summary of information obtained from the aerial photographs.

TABLE 6-3

SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments
1937	<p>Subject Property: The property appears to be developed as a bulk petroleum storage facility. The current structure is observed along with seven large aboveground storage tanks and three smaller storage tanks. Two ponds (consistent with the North and South Process Water Basins) are present along the western boundary of the rail line.</p> <p>Surrounding Properties: The subject property is bordered by agricultural and undeveloped rural land. The Blue River is observed along the south and west portions of the site. A rail line is observed bisecting the property into east and west portions. Several small residences are observed adjoining the property to the north on the eastern portion of the subject property.</p>
1941	<p>Subject Property: The subject property appears similar to 1937.</p> <p>Surrounding Properties: The surrounding properties appear similar to 1937.</p>
1948	<p>Subject Property: The subject property appears similar to 1941.</p> <p>Surrounding Properties: The surrounding properties appear similar to 1941.</p>
1955	<p>Subject Property: The subject property appears similar to 1948. One of the large aboveground tanks is no longer present on the eastern portion of the site.</p> <p>Surrounding Properties: The surrounding properties appear similar to 1948.</p>
1959	<p>Subject Property: The subject property appears similar to 1955.</p> <p>Surrounding Properties: The surrounding properties appear similar to 1955.</p>
1966	<p>Subject Property: The subject property appears similar to 1959. Parking improvements south of the structure are observed.</p> <p>Surrounding Properties: The surrounding properties appear similar to 1959.</p>
1975	<p>Subject Property: The subject property appears similar to 1966. Several more of the aboveground storage tanks have been removed, leaving two, north and south of the structure. A lagoon is present at the northwest corner of the subject property, consistent with the location of the current capped lagoon (#3). Continued expansion of parking improvements is evident.</p> <p>Surrounding Properties: The surrounding properties appear similar to 1966.</p>
1979	<p>Subject Property: The subject property appears similar to 1975.</p> <p>Surrounding Properties: The area surrounding the subject property appears similar to 1975. A small commercial facility is observed adjoining the residential properties to the north of the subject property.</p>
1982	<p>Subject Property: The subject property appears similar to 1979. A small lagoon is observed south of the parking improvements. This is consistent with the location of the Water Evaporation Sanitary Lagoon.</p> <p>Surrounding Properties: The area surrounding the subject property appears similar to 1979. Some residential development is noted to the east and south of the subject property.</p>
1986	<p>Subject Property: The subject property appears similar to 1982.</p> <p>Surrounding Properties: The area surrounding the subject property appears similar to 1986.</p>
1991	<p>Subject Property: The subject property appears similar to 1986. The lagoon at the northwest corner of the subject property (#3) appears to have been capped. A pond on the eastern portion of the subject property is evident. This is suspected to have been constructed following closure of the diecasting facility.</p> <p>Surrounding Properties: The area surrounding the subject property appears similar to 1986.</p>

TABLE 6-3 (Continued)

SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments
1996	Subject Property: The subject property appears similar to 1991. The remaining aboveground tanks have been removed from the subject property. Surrounding Properties: The area surrounding the subject property appears similar to 1991.
2002	Subject Property: The subject property appears similar to 1996. Vacant conditions are suspected. Surrounding Properties: The area surrounding the subject property appears similar to 1996. Continued residential development is observed to the north, east, south, and west.
2005	Subject Property: The subject property appears similar to 2002. Vacant conditions are suspected. Surrounding Properties: The area surrounding the subject property appears similar to 2002.
2006	Subject Property: The subject property appears similar to 2005. Vacant conditions are suspected. Surrounding Properties: The area surrounding the subject property appears similar to 2005.
2008	Subject Property: The subject property appears similar to 2006. Vacant conditions are suspected. Surrounding Properties: The area surrounding the subject property appears similar to 2006.
2010	Subject Property: The subject property appears similar to 2008. Vacant conditions are suspected. Surrounding Properties: The area surrounding the subject property appears similar to 2008.
2012	Subject Property: The subject property appears similar to 2010. Vacant conditions are suspected. Surrounding Properties: The area surrounding the subject property appears similar to 2010.

Aerial photographs can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property. It appears that the subject property was developed prior to 1937.

6.2.3 Historical Topographic Maps

Topographic maps can be used as indicators of land use and structural changes on the subject property, and thus can help determine historical land use that might pose an environmental issue to the subject property. START reviewed USGS Belton and Stilwell quadrangle topographic maps of the subject property and surrounding areas for years 1887, 1893, 1953, 1956, 1970, 1975, 1995, 2012, and 2015 (EDR 2016e) (see Appendix G-3). Table 6-4 is a summary of information obtained from the historical topographic maps of the subject property and surrounding area.

TABLE 6-4
SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS

Year	Description
1887	<p>Subject Property: No structures are depicted on the subject property.</p> <p>Surrounding Properties: The Blue River is observed transecting the southern portion of the subject property from west to east.</p>
1893	<p>Subject Property: The subject property is depicted similar to the 1887 map.</p> <p>Surrounding Properties: The surrounding properties are depicted similar to the 1887 map.</p>
1953 1956	<p>Subject Property: The subject property contains seven large aboveground storage tanks with a structure and two ponds on the property. The railroad property appears on this map as well.</p> <p>Surrounding Properties: The surrounding properties are depicted similar to the 1893 map. Agricultural land use is suspected.</p>
1970	<p>Subject Property: The subject property is depicted similar to the 1953/1956 map. A single aboveground tank appears to have been decommissioned and removed. The pad is still depicted on the maps.</p> <p>Surrounding Properties: The surrounding properties are depicted similar to the 1953/1956 maps.</p>
1975	<p>Subject Property: The subject property is depicted similar to the 1970 map. An additional two storage tanks have been removed. The pads are still depicted on the maps. A small lagoon is also observed on the southern portion of the west half of the property.</p> <p>Surrounding Properties: The surrounding properties are depicted similar to the 1970 map.</p>
1995	<p>Subject Property: The subject property appears vacant of all structures.</p> <p>Surrounding Properties: The surrounding properties are depicted similar to the 1975 map.</p>
2012 2015	<p>Subject Property: The subject property is depicted similar to the 1995 map.</p> <p>Surrounding Properties: The surrounding properties are depicted similar to the 1995 map.</p>

Review of topographic maps did not identify specific potential source areas or environmental issues; however, topographic maps can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property.

6.2.4 Building Permit Report

Building permits can be used as indicators of land use and structural changes on the subject property, and thus can help determine historical land use that might pose an environmental issue to the subject property. START contracted EDR to perform a Building Permit Report. EDR was unable to access any building permits for the subject property (EDR 2016g).

6.2.5 City Directories

START reviewed city directory listings for the subject and nearby properties for years 1992, 1995, 1999, 2003, 2008, and 2013 (EDR 2016f) (see Appendix G-4). Table 6-5 summarizes information found in the

city directories. Additional businesses on adjoining properties are also listed in Table 6-5. Listings in Table 6-5 are limited to commercial and industrial businesses, and exclude residential listings that do not pose a significant environmental threat to the subject property.

TABLE 6-5
SUMMARY OF HISTORICAL CITY DIRECTORIES

Property Address	Property Occupant(s)
Subject Property	
16400 Mission Road	The subject property was not listed in city directories.
Nearby Properties	
16200 Mission Road	Carstar, First Team Collision, Willow Creek Auto (1992) Carstar (1995) Carstar Automotive Incorporated Kansas City (1999) Enterprise Rent A Car, First Team Carstar Collision (2003) Pinnacle Lawn Car, Inc. (2013)

City directories can be used in conjunction with other historical records presented in this section to determine previous land use on the site. No RECs are posed to the subject property based on review of the city directories.

7.0 FINDINGS AND OPINIONS

The following significant findings and opinions resulted from the records review, interviews, and site reconnaissance. This assessment has revealed evidence of two environmental concerns in connection with the subject property:

- Apparent asbestos containing material (transite siding) was observed in several piles throughout the structure. START understands that Johnson County intends to demolish the structure. This material can become friable during demolition activities and could pose a human health risk to those conducting the demolition. This poses an environmental concern to the subject property.
- Several Resource Conservation and Recovery Act (RCRA) post-closure disposal lagoons are within the bounds of the subject property. These units previously received contamination (from on-site operations) that has been capped and isolated to limit risk of exposure. In addition, the facility has received notices of numerous regulatory violations related to mishandling of waste water containing heavy metals. START understands that several removal actions, in conjunction with the above-described RCRA post-closure lagoons, have addressed contamination on the property at and above an industrial risk-based level. A Phase II assessment completed in 2013 also revealed a limited area of petroleum hydrocarbon contamination but is not believed to be widespread. These conditions pose a CREC to the subject property. Potential property development could require additional cleanup to meet more stringent regulatory standards per proposed land use.

8.0 CONCLUSIONS AND RECOMMENDATIONS

START has performed a TBA, conforming to the scope and limitations of ASTM E 1527-13, of the subject property (Kuhlman Diecasting) in Johnson County, Kansas. Exceptions to, or deletions from, this practice are described in Section 1.4 of this report. Based on available information, this assessment has revealed evidence of environmental concerns in connection with the subject property, as described in Section 7.0.

START recommends that EPA review this report to determine if further investigation is warranted, considering the proposed future use of the subject property.

9.0 CERTIFICATION STATEMENT

Resumes of the Environmental Assessor who conducted the site reconnaissance and the EP who prepared the report and oversaw completion of this work are in Appendix H. We declare that, to the best of our professional knowledge and belief, we meet the definition of EP as defined in 40 CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property addressed in this report. We have developed and performed all appropriate inquiries in conformance to the standards and practices set forth in 40 CFR Part 312, and attest to the completeness and accuracy of information in this report.

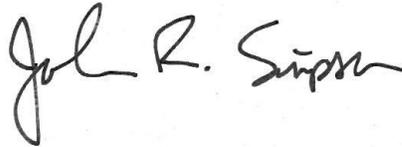
If you have any questions concerning the findings and conclusions conveyed in this report, please call START Program Manager Ted Faile at (816) 412-1754 or START Project Manager John Simpson at (816) 412-1772.

Assessor /Environmental Scientist



Joshua Mellema
Environmental Scientist

Reviewer/Environmental Professional



John Simpson, CHMM
Environmental Scientist

10.0 REFERENCES

ASTM International (ASTM).

- 2010. *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.* E2600-10.
- 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* E1527-13.

Ecology and Environment, Inc. (E&E).

- 1992. Removal Assessment Phase II – Kuhlman Diecasting Co. TDD: T07-9107-035D. Overland Park, Kansas. September 24, 1992.
- 1993. Removal Assessment Phase II – Kuhlman Diecasting Co. Overland Park, Kansas. TDD: T07-9301-025. April 16, 1993.
- 1995. Preliminary Assessment/Site Inspection for the Kuhlman Diecasting Company. TDD: T07-9412-506A. October 5, 1995.

Environmental Data Resources, Inc. (EDR).

- 2016a. EDR Radius Map with Geocheck. August 4.
- 2016b. EDR Property Tax Map. August 4.
- 2016c. EDR Sanborn Map Report. August 4.
- 2016d. EDR Aerial Photographs. August 8.
- 2016e. EDR Historical Topographic Maps. August 4.
- 2016f. EDR City Directory Abstract. August 7.
- 2016g. EDR Building Permit Report. August 4.
- 2016h. EDR 50 Year Chain of Title. August 30.
- 2016i. EDR Vapor Encroachment Screen. August 4.

Environmental International Government, Ltd. (EIGov).

- 2011a. Draft – Phase I Environmental Site Assessment Report – Kuhlman Diecasting Site. Seattle, Washington. November 28, 2011.
- 2011b. Draft – Asbestos and Lead-Based Paint Survey Report – Kuhlman Diecasting Site. Seattle, Washington. November 28, 2011.

Jacobs Engineering Group, Inc. (Jacobs).

- 1988. RCRA Facility Assessment of Kuhlman Diecasting Company. Environmental Systems Division. July 15, 1988.

Seagull Environmental Technologies, Inc. (Seagull)

- 2012. Phase II Targeted Brownfields Assessment – Kuhlman Diecasting Site. Kansas City, Kansas. September 28, 2012.

Tetra Tech, Inc. (Tetra Tech).

- 2013. Phase II Targeted Brownfields Assessment – Kuhlman Diecasting Site. Lenexa, Kansas. August 19, 2013.

U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS).

- 2015. Web Soil Survey of Johnson County, Kansas. Accessed August 2016.
<http://websoilsurvey.nrcs.usda.gov/app/>

U.S. Geological Survey (USGS).

- 2012. Stilwell, Kansas Quadrangle. USGS 7.5-Minute Topographic Series.
- 2015. Belton, Missouri Quadrangle. USGS 7.5-Minute Topographic Series.

APPENDIX A
STATEMENT OF WORK

Sub-Task

Under Task Order #04 – Brownfields TBAs

START 4 CONTRACT #: EP-S7-13-06

Activity Type: Targeted Brownfield Assessment,

Created On: August 1, 2016

Task: Phase I Environmental Site Assessment

PO: Debra Dorsey

General Task Description:

Task Monitors: Todd Davis

Estimated Completion Date: September 5, 2016

Task Codes:

Site/Project Name: Kuhlman Diecasting

Address: 16400 Mission Road

City, State, Zip: Stanley, KS 66223

Site ID No: N/A

I. INTRODUCTION

A. PURPOSE

The contractor shall be prepared to provide scientific/technical support for EPA activities in the Agency's primary mission: the protection of human health and the environment. Additionally, the contractor shall provide advisory and assistance services to other programs, such as site assessment, and remedial support activities. For each assigned task, the contractor shall provide appropriately experienced, trained, and accredited personnel with current credentials/certifications as well as all supplies, materials, tools, and equipment necessary to complete the job.

B. BACKGROUND

Under the authority of legislation, Presidential Directives, and promulgated regulations, EPA is responsible for protecting human health and the environment. EPA is delegated authority to undertake removal and remedial response actions. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to human health or the environment on the National Priorities List (NPL). Site assessment is the first step in determining whether a site meets the criteria for placement on the NPL. Listing a site on the NPL is one tool among many that are available to EPA and state cleanup program managers to accomplish the cleanup of contaminated waste sites. For additional information, see EPA OSWER Directive 9203.1-06, "Guidance on Setting Priorities for NPL Candidates sites."

II. TECHNICAL REQUIREMENTS

**EPA Targeted Brownfields Assessment
TASK ORDER
Kuhlman Diecasting Site, Stanley Kansas
August 1, 2016**

1.0 Introduction/Background Discussion

The EPA's Targeted Brownfields Assessment (TBA) program is designed to assist States, tribes and local governments to minimize the uncertainties of contamination often associated with brownfields. TBAs supplement and work with other efforts under EPA's Brownfields Program to promote cleanup and redevelopment of brownfields properties.

The Board of County Commissioners of Johnson County Kansas has requested EPA to perform as Phase I Environmental Site Assessment located at the Kuhlman Diecasting Site in Stanley, Johnson County, Kansas.

2.0 Site Description

The site covers approximately 36 acres in Johnson County Kansas.

3.0 History of Operation

The referenced property was previously used as a petroleum transportation and storage site and as a metal diecasting facility.

4.0 Summary of Pertinent Previous Investigations

Prior assessments were performed by EPA at this property.

5.0 Scope of Work

The contractor shall perform a Phase I environmental site assessment (ESA) Kuhlman Decasting property. The Phase I ESA will identify any potential recognized environmental conditions (REC) located on or in the vicinity of the sites in accordance with ASTM Standard E 1527-13, Standard Practice for Phase I Environmental Site Assessments.

6.0 Description of Tasks

Task 1 – ASTM/AAI Phase I ESA and Reporting

The contractor will conduct the Phase I ESAs in accordance with EPA's final regulations governing All Appropriate Inquires (40 CFR 312) or ASTM International's E 1527-13

From the information and documents reviewed for the Phase I ESA and inclusive of all EPA comments on the draft report, the contractor shall prepare 2 bound color hard copies and one

electronic copy of each of the ASTM/AAI Phase I site investigation report covering the individual site and including a property profile form for the site. The report will detail the execution of the site inspections and summarize the findings of the site investigation. All hard copies and the electronic copy will be provided to the EPA Project Contact identified below.

6.4 Phase I Environmental Site Assessment. The Contractor shall conduct a Phase I Environmental Site Assessment (ESA) in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, E1527-13, to meet the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) “all appropriate inquiry” standard and identify all “recognized environmental conditions” associated with the property. The Phase I ESA shall be as complete as possible with all ASTM requirements attempted and documented (including title search for environmental liens, assessments of any specialized knowledge or experience of the prospective landowner, and commonly known or reasonably ascertainable information the prospective purchaser is aware of.). The Phase I ESA shall be submitted in draft and final versions.

7.0 Project Schedule

- The contractor will submit to the EPA Project Contact identified below an electronic copy of a 90% draft submittal of the site investigation reports within 20 days from the date the sites are assigned to the contractor.
- Comments will be made and returned to the contractor within 15 business days.
- The final deliverables as described above are due 10 business days after EPA provides comments on the draft reports.

8. Project Contacts

Todd H. Davis, Site Assessment Manager, EPA Region 7
Phone: 913-551-7749
Email: davis.toddh@epa.gov
Address: US EPA Region 7
Todd H. Davis
11201 Renner Blvd
Lenexa, KS 66219

Guidance Documents/References

- “Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process,” ASTM, E 1527-00
- “Standard Practice for Environmental Assessments: Phase II Environmental Site Assessment Process,” ASTM 1903-97; and
- “Generic Quality Assurance Project Plan for the Superfund Site Assessment and Targeted Brownfields Assessment Programs,” EPA-Region VII, Superfund Division, July 2007

- Superfund Technical Assistance & Response Team (START) - 4

III. DOCUMENTATION REQUIREMENTS

In the course of performing tasks identified in this SOW, the contractor shall submit all analyses, options, recommendations, reports, and any other work products in draft form for review by the Contracting Officer (CO) or the Contracting Officer's Representative (COR) prior to use or distribution.

The contractor shall not publish, release, use, or disclose any work product generated under this SOW without EPA's written approval; interpret EPA policies or regulations when conducting any training, seminars, or presentations; and/or provide any legal advice or legal interpretations.

The Government will make all final regulatory, policy, and interpretative decisions resulting from contractor provided advice and assistance; and will also make all final decisions regarding compliance determinations, or the violations of an order, law, regulation, etc.

The contractor shall submit documents that demonstrate a good command and correct usage of the English language (e.g, discussion of facts flow in a coherent and organized manner); use proper grammar (noun and verb tense correspond, etc.); and are free of incomplete sentences and misspelled words.

For deliverables that contain recommendations, the contractor shall explain or rank policy; explain or rank alternative actions; describe procedures used to arrive at recommendations; summarize the substance of deliberation; report any dissenting views; and cite sources relied upon.

Schedule:

Draft Phase I Report is due to EPA by August 31, 2016 or as approved by the Task Order Project Manager

Final Report is due September 15, 2016 or as approved by the Task Order Project Manager.



**United States
ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460**

Form Approved
OMB Number No. 2050-0192

PROPERTY PROFILE FORM—Brownfields

Public reporting burden for this collection of information is estimated to average 1.50 hours per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Environmental Protection Agency, Office of Environmental Information, Code 2822T, Washington, DC 20460 and to the Paperwork Reduction Project, Office of Management and Budget, Washington, DC 20503. DO NOT RETURN your form to either of these addresses. Send your completed form to the address provided by the issuing office.

PART I- PROPERTY INFORMATION

COOPERATIVE AGREEMENT RECIPIENT INFORMATION

1. Cooperative Agreement Recipient Name (State/Tribe for Section 128(a) Cooperative Agreements; requestor/contractor for TBAs):

Johnson County Kansas

2. Cooperative Agreement Number (contract number for TBAs):

EP-S7-06-01

3. What type of cooperative agreement funding is being used for this property?

- Assessment Section 128(a) – State and Tribal Response Program
- Revolving Loan Fund TBA (EPA Regions Only)
- Cleanup

4. For Assessment, Cleanup, and Revolving Loan Fund cooperative agreements, what type of funding is being used at this property?

- Hazardous Substance Petroleum Both

5a. Indicate if this form is the initial or Updated Form:

- Initial Form Updated Form

5b. If "Updated Form," what's the ACRES Property ID?

PROPERTY BACKGROUND INFORMATION

6. Property Name: Kuhlman Diecasting Site

7a. Street Address: 16400 Mission Road

7b. City: Stanley

7c. County: Johnson **7d. State:** KS

7e. Zip code: 66085

8. Size (in acres): 35.15

9. Parcel Number(s): 7F251416-4008

STATE & TRIBAL BROWNFIELDS/VOLUNTARY RESPONSE PROGRAM INFORMATION

10. State & Tribal Program Enrollment (If the property is not enrolled in a state program, check Property Not Enrolled check box):

Date of Enrollment: _____ ID Number (if applicable): _____ Property Not Enrolled in a State or Tribal Program

PROPERTY GEOGRAPHIC INFORMATION (EPA Brownfields Program, or its contractors, will provide complete latitude/longitude information if cooperative agreement recipients are unable)

11a. Latitude
(use 00.000000 decimal degree format):
38.830741

11b. Longitude
(use -000.000000 decimal degree format):
94.633464

11c. Horizontal Collection Method:
Global Positioning Method- Unspecified Parameters

11d. Source Map Scale Number (Only if a map/photo was used):

11e. Reference Point (e.g., Center of Facility or Station):

Center of a Facility or Station

11f. Horizontal Reference Datum (Choose one):

- NAD27-North American Datum of 1927 WGS84-World Geodetic System of 1984
- NAD83-North American Datum of 1983

PART II- ENVIRONMENTAL ACTIVITIES (continued)

INSTITUTIONAL & ENGINEERING CONTROLS INFORMATION *(mandatory for all cooperative agreement types)*

19a. Indicate whether Institutional Controls are required: Yes No Unknown

19b. If Institutional Controls were required, indicate the category (check all that apply):

- Proprietary Controls (e.g., easements, covenants) Governmental Controls (e.g., zoning, building codes)
- Informational Devices (e.g., state registries, deed notices) Enforcement/Permit Tools (e.g., permits, consent decrees)

Additional Institutional Controls Information:

Address of Data Source (URL if available): _____

19c. Indicate whether Institutional Controls in place: Yes No Date: _____

20a. Indicate whether Engineering Controls are required: Yes No Unknown

20b. If Engineering Controls were required, indicate the category (check all that apply):

- Cover Technologies (e.g., Capping) Immobilization Process (e.g., Encapsulation, In-Situ Solidification) Engineered Barriers (e.g., Slurry Walls, Sheet)
- Security (e.g., Guard, Fences) Other _____

Additional Engineering Controls Information:

Address of Data Source (URL if available): _____

20c. Indicate whether Engineering Controls in place: Yes No Date: _____

REDEVELOPMENT AND OTHER LEVERAGED ACCOMPLISHMENTS *(Mandatory for Assessment, Cleanup and RLF Cooperative Agreements; as available for State and Tribal Property Specific Activities and TBAs)*

21. Redevelopment Start Date: _____ **22.** Redevelopment Completion Date: _____

Table D- Redevelopment Leveraged Funding Detail

Source of Funding <small>(enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)</small>				Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Other Federal	State/Tribal	Local Gov't	Private/ Other		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

23. Number of Redevelopment Jobs Leveraged: _____

24. Future Use and Estimated Acreage (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential).

- Multi-story building
- Greenspace 35.15 acres _____ sq. ft. Commercial _____ acres _____ sq. ft.
- Industrial _____ acres _____ sq. ft. Residential _____ acres _____ sq. ft.

25. Actual Acreage(s) and Type(s) of Greenspace Created: _____ Unknown _____

PART II- ENVIRONMENTAL ACTIVITIES (continued)

ANECDOTAL PROPERTY INFORMATION (as available for all cooperative agreement types)

26. Property Highlights:

The site is currently vacant. The site is bisected by an active railroad line with no vehicular access to the western portion. The majority of the property is undeveloped; however, one large building remains on-site.

PROPERTY PHOTOGRAPH INFORMATION

27. Indicate whether photographs are available: Yes No 28. Indicate whether video is available: Yes No

PART III- ADDITIONAL PROPERTY INFORMATION

PROPERTY HISTORY INFORMATION

29. Property Description / History / Past Ownership:

The site is 35.15 acres and contains a former Diecasting building. The site has previously been operated for bulk oil storage/transfer and electroplating.

30. Predominant Past Use(s) (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential):

- Multi-story building
- Greenspace _____ acres _____ sq. ft. Commercial _____ acres _____ sq. ft.
- Residential _____ acres _____ sq. ft. Industrial 35.15 acres _____ sq. ft.

OWNERSHIP & SUPERFUND LIABILITY (Mandatory for Cleanup and RLF Cooperative Agreements)

31a. Ownership Entity:

- Government (Tribal, State, Local) Private

31b. Current Owner:

Kuhlman Diecasting Company

32a. During the life of the cooperative agreement, did ownership change?

- Yes No

32b. If "yes," did Superfund federal landowner liability protections factor into the ownership change?

- Yes No Unknown

PART IV- APPROVALS

33. Cooperative Agreement Recipient Project Manager

Name (please print):

Signature

Date:

Robert Ford, Johnson County

34. US EPA Regional Representative

Name (please print):

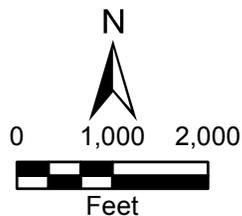
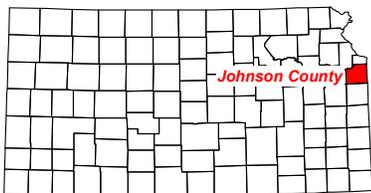
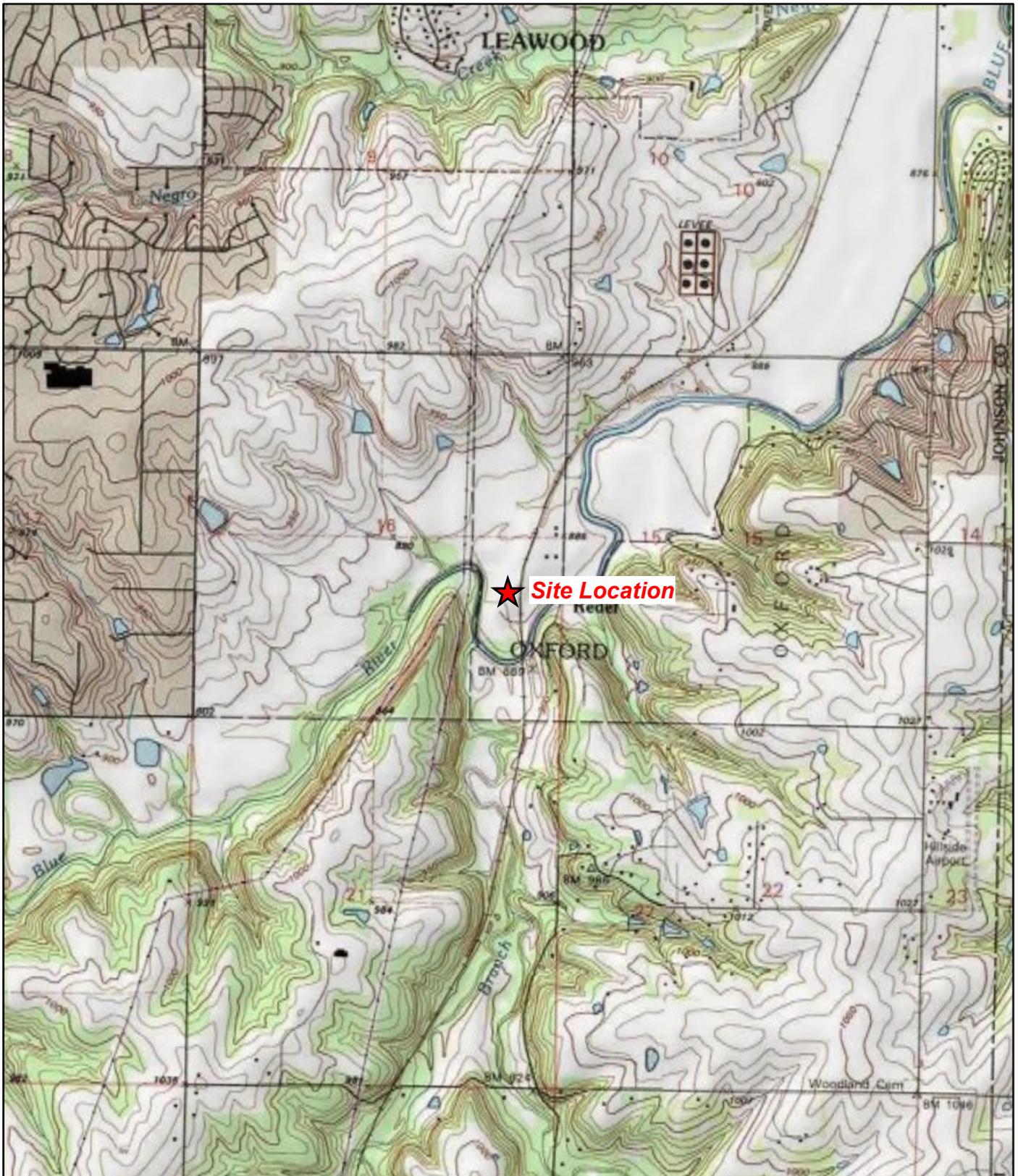
Signature

Date:

Todd Davis, Project Manager

APPENDIX B

FIGURES



Kuhlman Diecasting Site
 16400 Mission Road
 Stanley, Kansas

Figure 1
 Site Location Map



X:\GIS\004\1002\1015024\Project\mxd\Figure1.mxd

Source: USGS Belton, Kansas 7.5 Minute Topo Quad, 1991
 USGS Stilwell, Kansas 7.5 Minute Topo Quad, 1991

Date: 8/26/2016

Drawn By: Nick Wiederholt

Project No: 103X902514002



Legend

- Approximate site boundary
- Water body
- Union Pacific Railroad
- Surface impoundment (capped)
- Major road
- Water evaporation sanitary lagoon
- TBA Targeted Brownfields Assessment
- Street

Kuhlman Diecasting Site
 16400 Mission Road
 Stanley, Kansas

Figure 2
 Site Layout Map



X:\S\9004\002\015\024\Project\mxd\Figure2.mxd

Source: ArcGIS Online, Bing Maps Aerial, 2012; HSIP Gold, 2007

Date: 08/26/2016

Drawn By: Nick Wiederholt

Project No: 103X9025140002

APPENDIX C

ADDRESS AND PROPERTY INFORMATION

PROD Property Record Card

Parcel ID: 046-165-16-0-40-01-006.00-0

Quick Ref: R178200

Tax Year: 2016

Run Date: 8/3/2016 4:21:20 PM

OWNER NAME AND MAILING ADDRESS

KUHLMAN DIECASTING CO.

11403 E 58TH TER
RAYTOWN, MO 64133-3470

PROPERTY SITUS ADDRESS

016400 MISSION RD
STILWELL, KS

LAND BASED CLASSIFICATION SYSTEM

Function: 3342 Steel fabricator Sfx:
Activity: 3110 Primarily plant or factory-type
Ownership: 1100 Private-fee simple
Site: 6000 Developed site - with building

GENERAL PROPERTY INFORMATION

Prop Class: C C - Commercial & Industrial
Living Units:
Zoning: PEC3
Neighborhood: 443.N 443.N
Economic Adj. Factor: 100
Map / Routing: S16 003
Tax Unit Group: 0299

TRACT DESCRIPTION

16-14-25 38.81 A OF SE 1/4 EX .25 AC EX .298
AC EX 2 TRACTS TO RR 36.422 ACS M/L
OX -0706



046-165-16-0-40-01-006.00-0 04/08/2010

Image Date: 04/08/2010

PROPERTY FACTORS

Topography: 1 - Level
Utilities: 1 - All Public
Access: 3 - Dirt Road
Fronting: 7 - Dead End
Location: 8 - Industrial Site
Parking Type: 1 - Off Street
Parking Quantity: 2 - Adequate
Parking Proximity: 3 - On Site
Parking Covered:
Parking Uncovered:

INSPECTION HISTORY

Date	Time	Code	Reason	Appraiser	Contact	Code
08/24/2015	1:54 PM	J	DM	151		
07/02/2015	1:11 PM	J	DM	151		
03/25/2015		GM	DE	ProjApr		

BUILDING PERMITS

Number	Amount	Type	Issue Date	Status	% Comp
--------	--------	------	------------	--------	--------

2016 APPRAISED VALUE

Cls	Land	Building	Total
C	344.520	1.000	345.520
Total	344.520	1.000	345.520

2015 APPRAISED VALUE

Cls	Land	Building	Total
C	344.520	1.000	345.520
Total	344.520	1.000	345.520

MARKET LAND INFORMATION

Method	Type	AC/SF	Eff FF	Depth	D-Fact	Inf1	Fact1	Inf2	Fact2	OVRD	Rsn	Cls	Model	Base Size	Base Val	Inc Val	Dec Val	Value Est
Saft	23-23 - X-Large Size C	1,531.220				6	30						601	1.00	0.75	0.75	0.75	344.520

Total Market Land Value 344,520

PROD Property Record Card

Parcel ID: 046-165-16-0-40-01-006.00-0

Quick Ref: R178200

Tax Year: 2016

Run Date: 8/3/2016 4:21:20 PM

GENERAL BUILDING INFORMATION

LBCS Structure Code: 2620-Heavy industrial structures and facilities

Bldg No. & Name: 1 KUHLMAN DIECASTING CO.

Identical Units: 1 No. of Units: 1

Unit Type:

MS Mult: MS Zip:

APARTMENT DATA

1 2 3 4 5 6 7 8

Units:

BR Type:

Baths:

IMPROVEMENT COST SUMMARY

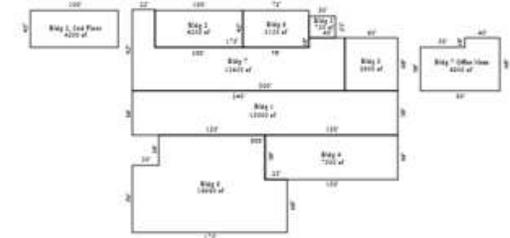
Building RCN: 7,623,166
 Mkt Adj: 100 Eco Adj: 100
 Building Value: 0
 Other Improvement RCN: 18,590
 Other Improvement Value: 0

CALCULATED VALUES

Cost Land: 344,520
 Cost Building: 0
 Cost Total: 344,520
 Income Value: 0
 Market Value:
 MRA Value:

FINAL VALUES

Value Method: COST
 Land Value: 344,520
 Building Value: 1,000
 Final Value: 345,520
 Prior Value: 345,520



Sketch by Apex Sketch

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	RCN	% Gd	Value
1	495-Industrials, Heavy Mftg.	C	2.00	1904		01 / 01		15,000	700	20	1	0							1,866,195	0	0
2	495-Industrials, Heavy Mftg.	C	2.00	1904		01 / 02		4,200	284	10	1	0							917,700	0	0
3	495-Industrials, Heavy Mftg.	C	1.67	1962		01 / 01		3,600	180	16	1	0							380,412	0	0
4	495-Industrials, Heavy Mftg.	C	1.67	1966		01 / 01		7,500	250	20	1	0							801,975	0	0
5	495-Industrials, Heavy Mftg.	C	1.67	1967		01 / 01		750	110	22	1	0							126,990	0	0
6	406-Storage Warehouse	C	1.67	1967		01 / 01		3,150	167	15	1	0							143,825	0	0
7	495-Industrials, Heavy Mftg.	C	1.67	1968		01 / 01		13,450	684	18	1	0							1,844,115	0	0
8	495-Industrials, Heavy Mftg.	C	1.67	1984		01 / 01		16,980	570	16	1	0							1,541,954	0	0

OTHER BUILDING IMPROVEMENTS

No.	Occupancy	MSCIs	Rank	Qty	Yr Blt	Eff Yr	LBCS	Area	Perim	Hgt	Dimensions	Stories	Phys	Func	Econ	OVR%	Rsn	Cls	RCN	%Gd	Value
1	163-Site Improvements	C	2.00	1	1927			10		8					1	1	0		7,704	0	0
2	163-Site Improvements	C	2.00	1	1968			10		8					1	1	0		1,070	0	0
3	470-Equipment (Shop) Building	S	2.00	1	1968			240		12	0010 024	1	1	0					9,818	0	0

COMMERCIAL BUILDING SECTION COMPONENTS

Sec	Code	Units	Pct	Size	Other	Rank	Year
1	606-Space Heater		100				
1	812-Concrete Block		100				
1	8111-Storage Bldg, Steel	1,125					

OTHER BUILDING IMPROVEMENT COMPONENTS

No.	Code	Units	Pct	Size	Other	Rank	Year
1	8111-Storage Bldg, Steel	720		10			
2	8111-Storage Bldg, Steel	100		10			
3	917-Single -Metal, Tex Cover on Steel		100				

PROD Property Record Card

Parcel ID: 046-165-16-0-40-01-006.00-0

Quick Ref: R178200

Tax Year: 2016

Run Date: 8/3/2016 4:21:21 PM

Sec	Code	Units	Pct	Size	Other	Rank	Year
2	606-Space Heater		100				
2	812-Concrete Block		100				
3	606-Space Heater		100				
3	812-Concrete Block		100				
4	606-Space Heater		100				
4	812-Concrete Block		100				
5	606-Space Heater		100				
5	882-Stud -Brick Veneer		100				
6	606-Space Heater		100				
6	812-Concrete Block		100				
6	8073-Canopy, Warehouse Wood Fram	375					
7	606-Space Heater		77				
7	611-Package Unit		22				
7	761-Mezzanines-Office	4,900					
7	762-Mezzanines-Open	3,050					
7	812-Concrete Block		100				
8	606-Space Heater		100				
8	916-Single -Metal on Steel Frame		100				

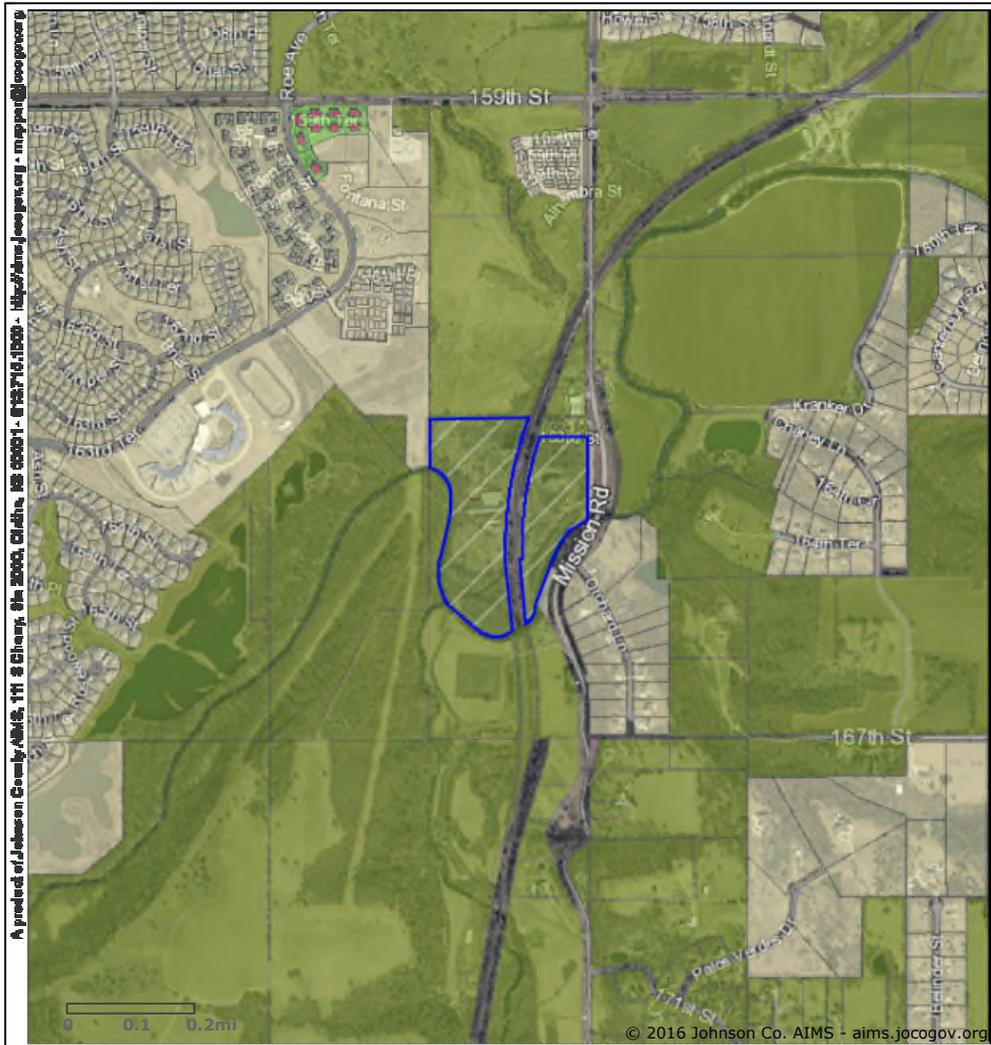
PROD Property Record Card

Parcel ID: 046-165-16-0-40-01-006.00-0

Quick Ref: R178200

Tax Year: 2016

Run Date: 8/3/2016 4:21:21 PM



A product of Johnson County AIMS, 111 S Cherry St, 2000, Olathe, KS 66041 • 620.774.1500 • <http://www.jocogov.org> • mapper@jocogov.org

Johnson Co AIMS Map

LEGEND

AIMS Imagery: Current Imagery (2014)

- + Address Point
- Building/Structure

Property

- Untaxed
- Common Interest
- Vertical
- Platted
- Unplatted
- Right-of-way
- Mineral Rights
- Leased Land



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8/3/2016

APPENDIX D
SITE PHOTOGRAPHS

Kuhlman Diecasting Johnson County, Kansas



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows standing water in the loading dock area.	1
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows a construction materials pile that includes Transite tiles.	2
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016

Kuhlman Diecasting Johnson County, Kansas



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows the interior of the structure on the subject property.	3
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows additional interior space.	4
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016

Kuhlman Diecasting Johnson County, Kansas



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows the exterior of the structure on the subject property.	5
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows the North Process Water Basin.	6
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016

Kuhlman Diecasting Johnson County, Kansas



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows groundwater monitoring wells east of the North Process Water Basin.	7
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows a discarded transformer that appears to have been salvaged for scrap metal.	8
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016

Kuhlman Diecasting Johnson County, Kansas



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows the Blue River along the west boundary of the subject property.	9
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016



TETRA TECH PROJECT NO. X9025.14.0002.019.023	DESCRIPTION	This photograph shows the north-south running Union Pacific rail line that bisects the subject property.	10
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	J. Mellema	8/17/2016

APPENDIX E

EDR RADIUS MAP WITH GEOCHECK

Kuhlman Diecasting

16400 Mission Road
Stilwell, KS 66085

Inquiry Number: 4692668.2s

August 04, 2016

The EDR Radius Map™ Report with GeoCheck®



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

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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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EXECUTIVE SUMMARY

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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

16400 MISSION ROAD
STILWELL, KS 66085

COORDINATES

Latitude (North): 38.8299160 - 38° 49' 47.69"
Longitude (West): 94.6332440 - 94° 37' 59.67"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 358228.8
UTM Y (Meters): 4298962.0
Elevation: 891 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5689828 STILWELL, KS
Version Date: 2012

East Map: 6726087 BELTON, MO
Version Date: 2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150625
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 16400 MISSION ROAD
 STILWELL, KS 66085

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	KUHLMAN DIECASTING C	164TH MISSION RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, SHWS, UST, RCRA	Lower	14, 0.003, NE
A2		16200 MISSION RD	EDR Hist Auto	Lower	300, 0.057, NNE
A3	CARSTAR FIRST TEAM	16200 MISSION RD	RCRA NonGen / NLR, FINDS, ECHO	Lower	300, 0.057, NNE
4	ENGELMANN PARCEL	159TH STREET AND MIS	SHWS, VCP	Higher	2730, 0.517, NNE
5	WILLIAMS - KENNETH M	3419 W. 159TH STREET	SHWS, VCP	Higher	3486, 0.660, NNE
B6	WILLIAMS - KENNETH S	3410 W 159TH STREET	SHWS, VCP	Lower	3516, 0.666, NE
B7	WILLIAMS - KENNETH S	3410 WEST 159TH STRE	SHWS, VCP	Lower	3516, 0.666, NE

EXECUTIVE SUMMARY

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 NPL..... 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 generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

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 landfill and/or solid waste disposal site lists

SWF/LF..... Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector in
Kansas
CITY DUMPS..... City Dump Listing

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank Data

EXECUTIVE SUMMARY

LAST..... Leaking Aboveground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Storage Tank Data
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL..... Institutional Controls Information

State and tribal voluntary cleanup sites

VCP..... Identified Sites List
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Identified Sites 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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
AOCONCERN..... Area of Concern
CDL..... Clandestine Laboratory Data
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
SPILLS..... Kansas Spills Database

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites

EXECUTIVE SUMMARY

SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
AIRS.....	Title V Source Information
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Registered Drycleaning Facilities
Financial Assurance.....	Financial Assurance Information Listing
TIER 2.....	Tier 2 Information Listing
UIC.....	Underground Injection Wells Database Listing
NPDES.....	Wastewater Permit Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
--------------	--

EXECUTIVE SUMMARY

RGA LF..... Recovered Government Archive Solid Waste Facilities List
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 03/07/2016 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KUHLMAN DIECASTING C</i>	<i>164TH MISSION RD</i>	<i>NE 0 - 1/8 (0.003 mi.)</i>	<i>1</i>	<i>8</i>

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KUHLMAN DIECASTING C</i>	<i>164TH MISSION RD</i>	<i>NE 0 - 1/8 (0.003 mi.)</i>	<i>1</i>	<i>8</i>

EXECUTIVE SUMMARY

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KUHLMAN DIECASTING C	164TH MISSION RD	NE 0 - 1/8 (0.003 mi.)	1	8

State- and tribal - equivalent CERCLIS

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 SHWS list, as provided by EDR, and dated 07/11/2016 has revealed that there are 5 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ENGELMANN PARCEL Facility Status: Resolved Project code: C404672038 Activity Status: C	159TH STREET AND MIS	NNE 1/2 - 1 (0.517 mi.)	4	44
WILLIAMS - KENNETH M Facility Status: Active Project code: C404671758 Activity Status: C Activity Status: P	3419 W. 159TH STREET	NNE 1/2 - 1 (0.660 mi.)	5	46
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KUHLMAN DIECASTING C Facility Status: Transferred out of the bureau Project code: C404600030 Activity Status: C	164TH MISSION RD	NE 0 - 1/8 (0.003 mi.)	1	8
WILLIAMS - KENNETH S Facility Status: Resolved Project code: C404670934 Activity Status: C	3410 W 159TH STREET	NE 1/2 - 1 (0.666 mi.)	B6	50
WILLIAMS - KENNETH S Facility Status: Resolved Project code: C404672111	3410 WEST 159TH STRE	NE 1/2 - 1 (0.666 mi.)	B7	54

EXECUTIVE SUMMARY

Activity Status: C
Activity Status: P

State and tribal registered storage tank lists

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 UST list, as provided by EDR, and dated 07/08/2016 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KUHLMAN DIECASTING C Facility Id: 23647 Tank Status: Permanently Out Of Use	164TH MISSION RD	NE 0 - 1/8 (0.003 mi.)	1	8

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 12/09/2015 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KUHLMAN DIECASTING C	164TH MISSION RD	NE 0 - 1/8 (0.003 mi.)	1	8
CARSTAR FIRST TEAM	16200 MISSION RD	NNE 0 - 1/8 (0.057 mi.)	A3	38

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

EXECUTIVE SUMMARY

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 is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

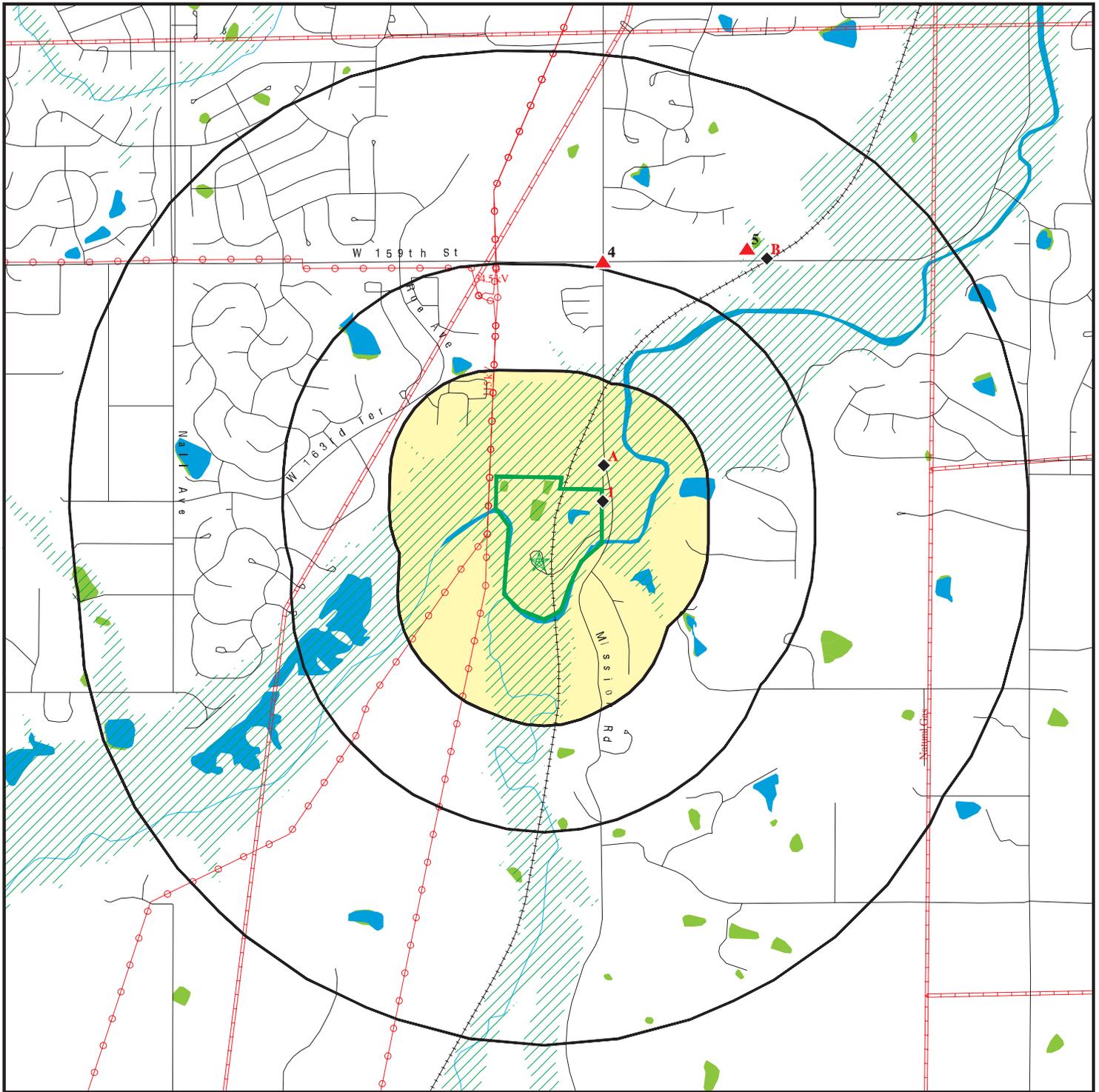
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	16200 MISSION RD	NNE 0 - 1/8 (0.057 mi.)	A2	37

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

<u>Site Name</u>	<u>Database(s)</u>
KUHLMAN DIECASTING	FTTS
KUHLMAN DIECASTING	HIST FTTS
SHAWNEE MISSION KIA USED CAR SALES	LUST
KUHLMAN DIECASTING CO., INC.	RGA HWS

OVERVIEW MAP - 4692668.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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.

SITE NAME: Kuhlman Diecasting
 ADDRESS: 16400 Mission Road
 Stilwell KS 66085
 LAT/LONG: 38.829916 / 94.633244

CLIENT: Tetra Tech EMI
 CONTACT: John Simpson
 INQUIRY #: 4692668.2s
 DATE: August 04, 2016 4:44 pm

DETAIL MAP - 4692668.2S



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

-  Indian Reservations BIA
-  Power transmission lines
-  Pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  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.

SITE NAME: Kuhlman Diecasting
 ADDRESS: 16400 Mission Road
 Stilwell KS 66085
 LAT/LONG: 38.829916 / 94.633244

CLIENT: Tetra Tech EMI
 CONTACT: John Simpson
 INQUIRY #: 4692668.2s
 DATE: August 04, 2016 4:46 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		1	0	0	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		1	0	0	0	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		1	0	0	NR	NR	1
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		1	0	0	4	NR	5
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
CITY DUMPS	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
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 Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	0	NR	NR	NR	2
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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	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	0
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	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	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	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
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
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	8	0	0	4	0	12

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
NE
< 1/8
0.003 mi.
14 ft.

KUHLMAN DIECASTING CO
164TH MISSION RD
STANLEY, KS 66223

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
SHWS
UST
RCRA NonGen / NLR
US FIN ASSUR
RAATS
PRP
ICIS
FINDS
ECHO

1000289837
KSD006325013

Relative:
Lower

Actual:
885 ft.

SEMS-ARCHIVE:

Site ID: 702466
EPA ID: KSD006325013
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Referred to Removal - NFRAP

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0702466
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Referred to Removal - NFRAP

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13001109.00000
Person ID: 7271674.00000

CERCLIS-NFRAP Assessment History:

Action: REMOVAL ASSESSMENT
Date Started: 03/24/94
Date Completed: 10/05/95
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 04/06/95
Date Completed: 01/08/96
Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: 04/06/95
Date Completed: 01/08/96
Priority Level: Referred to Removal, no further Rmdl Asmt

Action: REMOVAL ASSESSMENT
Date Started: 04/23/91
Date Completed: 07/08/91
Priority Level: Not reported

Action: Public Notice Published
Date Started: / /
Date Completed: 03/09/92
Priority Level: Not reported

Action: REMOVAL
Date Started: 10/09/96

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Date Completed: 01/10/97
Priority Level: Cleaned up

Action: DISCOVERY
Date Started: / /
Date Completed: 04/23/91
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: / /
Date Completed: 04/25/91
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/26/07
Priority Level: Not reported

Action: ADMINISTRATIVE RECORDS
Date Started: 03/06/92
Date Completed: 06/26/07
Priority Level: Admin Record Compiled for a Removal Event

Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 06/26/91
Priority Level: Not reported

Action: NEGOTIATION (GENERIC)
Date Started: 04/25/91
Date Completed: 06/26/91
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 06/26/91
Date Completed: 06/28/91
Priority Level: Cleaned up

Action: REMOVAL
Date Started: 07/15/91
Date Completed: 06/30/92
Priority Level: Cleaned up

CORRACTS:

EPA ID: KSD006325013
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19900110
Action: CA772ID
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: KSD006325013
EPA Region: 07

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Area Name: ENTIRE FACILITY
Actual Date: 19900110
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: KSD006325013
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19880710
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: KSD006325013
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19880710
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: KSD006325013
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 20130819
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: KSD006325013
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19920128
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 11/21/1991
Facility name: KUHLMAN DIECASTING CO
Facility address: 164TH & MISSION
STANLEY, KS 66223
EPA ID: KSD006325013
Mailing address: PO BOX 23218
STANLEY, KS 66223
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 07
Land type: Private
Classification: TSD
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KUHLMAN DIECASTING CO
Owner/operator address: PO BOX 23218
STANLEY, KS 66223
Owner/operator country: Not reported
Owner/operator telephone: (913) 681-2351
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: DAVID KUHLMAN
Owner/operator address: PO BOX 23218
STANLEY, KS 66223
Owner/operator country: Not reported
Owner/operator telephone: (913) 681-2351
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibility indicator: Transferred to the program or state equivalent.

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 10/26/1990
Site name: KUHLMAN DIECASTING CO
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Date form received by agency: 04/01/1990

Site name: KUHLMAN DIECASTING COMPANY

Classification: Large Quantity Generator

Date form received by agency: 08/18/1980

Site name: KUHLMAN DIECASTING CO

Classification: Unverified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F005
. Waste name: 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.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Corrective Action Summary:

Event date: 07/10/1988
Event: RFA Completed, Assessment was an RFA.

Event date: 07/10/1988
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 01/10/1990
Event: CA772ID

Event date: 01/10/1990
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.

Event date: 01/28/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Event date: 08/19/2013
Event: RFI Approved

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-Financial Requirements
Date violation determined: 07/02/2014
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.147
Area of violation: TSD - Financial Requirements
Date violation determined: 11/01/1993
Date achieved compliance: 11/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/1993
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: FR - 264.144 & 145
Area of violation: TSD - Financial Requirements
Date violation determined: 11/01/1993
Date achieved compliance: 11/01/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/1993
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: TSD - Financial Requirements
Date violation determined: 10/04/1990
Date achieved compliance: 08/07/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/04/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 08/10/1990
Date achieved compliance: 08/07/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/10/1990
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: TSD - Financial Requirements
Date violation determined: 06/07/1990
Date achieved compliance: 08/07/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/1990
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: TSD - General
Date violation determined: 02/01/1989
Date achieved compliance: 03/24/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/15/1989
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: LDR - General
Date violation determined: 02/01/1989
Date achieved compliance: 03/24/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/15/1989
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/19/1988
Date achieved compliance: 02/24/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/03/1988
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: TSD - General
Date violation determined: 01/19/1988
Date achieved compliance: 02/24/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.143 & KAR 28-31-8
Area of violation: TSD - Financial Requirements
Date violation determined: 10/01/1986
Date achieved compliance: 11/01/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/27/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 27000
Paid penalty amount: 27304

Regulation violated: FR - 40 CFR 265.147 & KAR 28-31-8
Area of violation: TSD - Financial Requirements
Date violation determined: 10/01/1986
Date achieved compliance: 11/01/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/27/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 27000
Paid penalty amount: 27304

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Regulation violated: FR - 40 CFR 265.147 & KAR 28-31-8
Area of violation: TSD - Financial Requirements
Date violation determined: 10/01/1986
Date achieved compliance: 11/01/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 43450
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.91(a)(1), 265.92,
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 10/01/1986
Date achieved compliance: 11/01/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/27/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 27000
Paid penalty amount: 27304

Regulation violated: FR - 40 CFR 265.91(a)(1), 265.92,
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 10/01/1986
Date achieved compliance: 11/01/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 43450
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.143 & KAR 28-31-8
Area of violation: TSD - Financial Requirements
Date violation determined: 10/01/1986
Date achieved compliance: 11/01/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 43450
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 122/23(b)(1)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Area of violation: Generators - General
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR 265.173 & KAR 28-31-8
Area of violation: TSD - General Facility Standards
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR 262.11 & KAR 28-31-4
Area of violation: Generators - General
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.173 & KAR 28-31-8
Area of violation: TSD - General Facility Standards
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.11 & KAR 28-31-4
Area of violation: Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR 265.17 & KAR 28-31-8
Area of violation: TSD - General Facility Standards
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 122/23(b)(1)
Area of violation: Generators - General
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.17 & KAR 28-31-8
Area of violation: TSD - General Facility Standards
Date violation determined: 08/19/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR 265.90 & KAR 28-31-8
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 05/06/1982

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 261.31
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR 122/23(b)(2)
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.90 & KAR 28-31-8
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR PART 122
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 261.31
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/11/1982
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 25500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 122/23(b)(2)
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Regulation violated: FR - 40 CFR PART 122
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 02/22/1984
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 11/10/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 8500
Paid penalty amount: 8500

Evaluation Action Summary:
Evaluation date: 04/13/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Financial Requirements
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 04/17/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Financial Requirements
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 11/01/1993
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/23/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/01/1993
Evaluation lead agency: State

Evaluation date: 02/27/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/04/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/07/1991
Evaluation lead agency: State

Evaluation date: 08/10/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/07/1991
Evaluation lead agency: State

Evaluation date: 06/07/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/07/1991
Evaluation lead agency: State

Evaluation date: 04/23/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/24/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/01/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/24/1989
Evaluation lead agency: State

Evaluation date: 02/01/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/24/1989
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/19/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/24/1988
Evaluation lead agency: State

Evaluation date: 10/01/1986
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/01/1993
Evaluation lead agency: EPA

Evaluation date: 10/01/1986
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/01/1993
Evaluation lead agency: EPA

Evaluation date: 04/11/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 05/06/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 05/06/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

SHWS:

Site ID: 892
Has Env Use Control: No
Project code: C404600030
PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
District Office: NEDO
Lat/Long: 38.83103 / -94.63333
River Basin: Missouri
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: KSD006325013
Discovery Date: 04/19/1991
Depth To GW: 0-10 feet
Depth To Bedrock: 0-10 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: S-SE
Acres Affected: 26-500 acres
Waste Present: No
Product Present: No
Program: Management Assistance (CERCLA Lead)
Lead Agency: BER - Assessment and Restoration
Contaminants: Heavy Metal
Media Act: Ground Water, Soil
Media Pot: Surface Water
Source: Lagoon/Impoundment
Land Use: Commercial, Industrial
Private well: Not reported
Waste Present: Not reported
Product: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Off-Site Disposal
Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Transfer Out of Bureau
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 06/28/2004
Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

Site ID: 892
Has Env Use Control: No
Project code: C404600030
PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
District Office: NEDO
Lat/Long: 38.83103 / -94.63333
River Basin: Missouri
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: KSD006325013
Discovery Date: 04/19/1991
Depth To GW: 0-10 feet
Depth To Bedrock: 0-10 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: S-SE
Acres Affected: 26-500 acres
Waste Present: No
Product Present: No
Program: Management Assistance (CERCLA Lead)
Lead Agency: BER - Assessment and Restoration
Contaminants: Heavy Metal
Media Act: Ground Water, Soil
Media Pot: Surface Water
Source: Lagoon/Impoundment
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: Off-Site Disposal
Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Removal Action Memorandum

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 09/12/1996
Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

Site ID: 892
Has Env Use Control: No
Project code: C404600030
PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
District Office: NEDO
Lat/Long: 38.83103 / -94.63333
River Basin: Missouri
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: KSD006325013
Discovery Date: 04/19/1991
Depth To GW: 0-10 feet
Depth To Bedrock: 0-10 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: S-SE
Acres Affected: 26-500 acres
Waste Present: No
Product Present: No
Program: Management Assistance (CERCLA Lead)
Lead Agency: BER - Assessment and Restoration
Contaminants: Heavy Metal
Media Act: Ground Water, Soil
Media Pot: Surface Water
Source: Lagoon/Impoundment
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: Off-Site Disposal
Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Preliminary Assessment (PA)
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 10/05/1995
Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

Site ID: 892
Has Env Use Control: No
Project code: C404600030
PM Name: CARLSON, R.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Site Status: Transferred out of the bureau
District Office: NEDO
Lat/Long: 38.83103 / -94.63333
River Basin: Missouri
Aquifer Yield: Alluvial
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: KSD006325013
Discovery Date: 04/19/1991
Depth To GW: 0-10 feet
Depth To Bedrock: 0-10 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: S-SE
Acres Affected: 26-500 acres
Waste Present: No
Product Present: No
Program: Management Assistance (CERCLA Lead)
Lead Agency: BER - Assessment and Restoration
Contaminants: Heavy Metal
Media Act: Ground Water, Soil
Media Pot: Surface Water
Source: Lagoon/Impoundment
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: Off-Site Disposal
Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Removal Action Report
Activity Status: Completed
Activity Start Date: 06/22/1991
Activity End Date: 07/01/1991
Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

UST:

Facility ID: 23647
Facility 911 Address: 164TH AND MISSION ROAD
Facility 911 City, State, Zip: STANLEY, KS 66223
Facility Phone: 913-681-2351
Phone 24 Hours: 913-681-2351
Facility District: NE
Facility Location Method: Not reported
Facility Feature: Not reported
Facility Datum: Not reported
Facility Lat/Long: /
Owner ID: 23647
Owner: KUHLMAN DIECASTING CO
Owner Type: Private Or Corp.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Owner/Rep Name: Duane Kiewitt
Owner/Rep Title: Chemical Engr
Owner Address: 164TH & MISSION RD PO BOX 2321
Owner City, State, Zip: STANLEY, KS 66223
Owner County: JOHNSON
Contact: Duane Kiewitt
Contact Title: Chemical Engineer

Tank ID: 001
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 550
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1963
Date Removed: Not reported
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: Not reported
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 002
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 111
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1949
Date Removed: 8/3/1998
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: Not reported
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 003
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 111
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Estimated Yr In Service: 1949
Date Removed: 8/3/1998
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: Not reported
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

Tank ID: 004
Tank Type: Underground
Tank Status: Permanently Out Of Use
Total Capacity (Gals): 400
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1949
Date Removed: Not reported
Last Permit Printed: Not reported
Current Permit Printed: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Removed
Tank Empty: Not reported
Out of Service Mo/Yr: Not reported
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown

US FIN ASSUR:
EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 260000
Face value: 24099.139999999999
Effective date: 9/1/2006

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 268000
Face value: 24545.75
Effective date: 12/31/2007

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 276000
Face value: 23710.23
Effective date: 12/31/2008

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 282000
Face value: 22049.73
Effective date: 12/31/2009

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 285000
Face value: 20897.779999999999
Effective date: 12/31/2010

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 290700
Face value: 19731.09
Effective date: 12/31/2011

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 295800
Face value: 18569.889999999999
Effective date: 12/31/2012

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 303260
Face value: 17378.369999999999
Effective date: 12/31/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

EPA ID: KSD006325013
Provider: BMO HARRIS BANK N.A.
EPA region: 7
County: JOHNSON
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 43-A303-01-5
Cost estimate: 308083
Face value: 16180
Effective date: 12/31/2014

PRP:

PRP name: KUHLMAN DIECASTING COMPANY

ICIS:

Enforcement Action ID: 07-1991-0086
FRS ID: 110002075646
Program ID: RCRAINFO KSD006325013
Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: Bankruptcy
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1991-0086
FRS ID: 110002075646
Program ID: NCDB I07#19891107KS002 1
Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: Bankruptcy
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1991-0086
FRS ID: 110002075646
Program ID: KS-FP 50010688
Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: Bankruptcy
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1991-0086
FRS ID: 110002075646
Program ID: KS-FP 1361063

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: Bankruptcy
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1991-0086
FRS ID: 110002075646
Program ID: FRS 110002075646
Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: Bankruptcy
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1991-0086
FRS ID: 110002075646
Program ID: TRIS 66223KHLMN164TH
Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: Bankruptcy
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1986-0115
FRS ID: 110002075646
Program ID: RCRAINFO KSD006325013
Action Name: KUHLMAN DIECASTING COMPANY
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1986-0115
FRS ID: 110002075646
Program ID: NCDB I07#19891107KS002 1
Action Name: KUHLMAN DIECASTING COMPANY
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

STANLEY, KS 66223
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1986-0115
FRS ID: 110002075646
Program ID: KS-FP 50010688
Action Name: KUHLMAN DIECASTING COMPANY
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1986-0115
FRS ID: 110002075646
Program ID: KS-FP 1361063
Action Name: KUHLMAN DIECASTING COMPANY
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1986-0115
FRS ID: 110002075646
Program ID: FRS 110002075646
Action Name: KUHLMAN DIECASTING COMPANY
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: JOHNSON
EPA Region #: 7

Enforcement Action ID: 07-1986-0115
FRS ID: 110002075646
Program ID: TRIS 66223KHLMN164TH
Action Name: KUHLMAN DIECASTING COMPANY
Full Address: 164TH & MISSION ROAD STANLEY KS 66223
State: Kansas
Facility Name: KUHLMAN DIECASTING CO.
Facility Address: 164TH & MISSION ROAD
STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: JOHNSON
EPA Region #: 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Program ID: FRS 110002075646
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: FRS 110002075646
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: KS-FP 1361063
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: KS-FP 1361063
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: KS-FP 50010688
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: KS-FP 50010688
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: NCDB I07#19891107KS002 1
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: NCDB I07#19891107KS002 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: RCRAINFO KSD006325013
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: RCRAINFO KSD006325013
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: TRIS 66223KHLMN164TH
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: TRIS 66223KHLMN164TH
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: FRS 110002075646
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: FRS 110002075646
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: KS-FP 1361063
Facility Name: KUHLMAN DIECASTING CO.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: KS-FP 1361063
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: KS-FP 50010688
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: KS-FP 50010688
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: NCDB I07#19891107KS002 1
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: NCDB I07#19891107KS002 1
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: RCRAINFO KSD006325013
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: RCRAINFO KSD006325013
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

Program ID: TRIS 66223KHLMN164TH
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3369

Program ID: TRIS 66223KHLMN164TH
Facility Name: KUHLMAN DIECASTING CO.
Address: 164TH & MISSION ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3544

FINDS:

Registry ID: 110002075646

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KUHLMAN DIECASTING CO (Continued)

1000289837

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.

AIR MINOR

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ECHO:

Envid: 1000289837
 Registry ID: 110002075646
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002075646

A2
NNE
< 1/8
0.057 mi.
300 ft.

16200 MISSION RD
STILWELL, KS 66085

Site 1 of 2 in cluster A

EDR Hist Auto 1015256641
N/A

Relative:
Lower

EDR Historical Auto Stations:

Actual:
884 ft.

Name:	CARSTAR AUTOMOTIVE INCORPORATED KANSAS CITY
Year:	1999
Address:	16200 MISSION RD
Name:	CARSTAR AUTOMOTIVE INCORPORATED
Year:	2000
Address:	16200 MISSION RD
Name:	CARSTAR AUTOMOTIVE INC
Year:	2001
Address:	16200 MISSION RD
Name:	CARSTAR AUTOMOTIVE INC
Year:	2002
Address:	16200 MISSION RD
Name:	FIRST TEAM CARSTAR COLLISION
Year:	2003
Address:	16200 MISSION RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
NNE
< 1/8
0.057 mi.
300 ft.

CARSTAR FIRST TEAM
16200 MISSION RD
STILWELL, KS 66085
Site 2 of 2 in cluster A

RCRA NonGen / NLR 1000387435
FINDS KSD067929950
ECHO

Relative:
Lower

RCRA NonGen / NLR:

Actual:
884 ft.

Date form received by agency: 06/29/2011
Facility name: CARSTAR FIRST TEAM
Facility address: 16200 MISSION RD
STILWELL, KS 66085
EPA ID: KSD067929950
Mailing address: W. 121ST STREET #123
OVERLAND PARK, KS 66209
Contact: COLETTE BRUCE
Contact address: W. 121ST STREET #123
OVERLAND PARK, KS 66209
Contact country: US
Contact telephone: (866) 762-9350
Telephone ext.: 5049
Contact email: COLETTE@TEAMSAFETY.US
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CARSTAR OF TOPEKA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/19/2006
Owner/Op end date: Not reported

Owner/operator name: CARSTAR OF TOPEKA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/19/2006
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: Yes
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSTAR FIRST TEAM (Continued)

1000387435

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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 SOLVENT MIXTURES.

. Waste code: F005
. Waste name: 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.

Historical Generators:

Date form received by agency: 06/16/2006
Site name: CARSTAR FIRST TEAM
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSTAR FIRST TEAM (Continued)

1000387435

- . Waste code: D040
- . Waste name: TRICHLORETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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 SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: 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.

- Date form received by agency: 03/14/2005
- Site name: CARSTAR FIRST TEAM
- Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLORETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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 SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSTAR FIRST TEAM (Continued)

1000387435

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.

Date form received by agency: 02/04/2005

Site name: CARSTAR FIRST TEAM

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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 SOLVENT MIXTURES.

. Waste code: F005
. Waste name: 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.

Date form received by agency: 09/30/2003

Site name: CARSTAR FIRST TEAM

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSTAR FIRST TEAM (Continued)

1000387435

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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 SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: 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.

Date form received by agency: 02/03/2003

Site name: CARSTAR FIRST TEAM

Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSTAR FIRST TEAM (Continued)

1000387435

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: 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.

Date form received by agency: 08/21/2002

Site name: CARSTAR FIRST TEAM
Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLORETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL 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 SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: 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.

Date form received by agency: 05/08/2000

Site name: CARSTAR FIRST TEAM
Classification: Small Quantity Generator

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CARSTAR FIRST TEAM (Continued)

1000387435

Violation Status: No violations found

FINDS:

Registry ID: 110032747838

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. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000387435
 Registry ID: 110032747838
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110032747838

4
NNE
1/2-1
0.517 mi.
2730 ft.

ENGELMANN PARCEL
159TH STREET AND MISSION ROAD
OVERLAND PARK, KS

SHWS S107032689
VCP N/A

Relative:
Higher

SHWS:

Actual:
956 ft.

Site ID: 1980
 Has Env Use Control: No
 Project code: C404672038
 PM Name: BER - Assessment and Restoration
Site Status: Resolved
 District Office: NEDO
 Lat/Long: 38.83991 / -94.62441
 River Basin: Marais des Cygnes
 Aquifer Yield: Unknown
 Other Aquifers: Not reported
 Parent PC: Not reported
 Parent Name: Not reported
 CERCLIS ID: Not reported
 Discovery Date: 01/24/2005
 Depth To GW: 0-10 feet
 Depth To Bedrock: Not reported
 Aquifer Yield: Not reported
 GW Flow Direction: SE
 Acres Affected: <5 acres
 Waste Present: No
 Product Present: No
 Program: Voluntary Cleanup
 Lead Agency: BER - Assessment and Restoration
 Contaminants: Refined Petroleum
 Media Act: Ground Water
 Media Pot: Not reported
 Source: Aboveground Tank, Pipeline Leak
 Land Use: Agricultural
 Private well: Monitoring
 Waste Present: Not reported
 Product: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENGELMANN PARCEL (Continued)

S107032689

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: No Further Action (NFA) Letter Issued
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 10/30/2009
Narrative: On October 10, 2005, a Voluntary Agreement was executed between KDHE and the Engelmann Trust to further evaluate the environmental condition of the property. It appears that existing contamination at this property originated off-site.
This property is down-gradient of the Williams Kenneth Station Manifold VCPRP site. Investigations are continuing to determine the contamination source(s).
On January 24, 2005 monitoring well #10 (MW-10) was installed. Data indicates TPH-GRO and TPH-DRO exceeds regulatory limits in groundwater. Additional investigation is needed.

Site ID: 1980
Has Env Use Control: No
Project code: C404672038
PM Name: BER - Assessment and Restoration
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.83991 / -94.62441
River Basin: Marais des Cygnes
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 01/24/2005
Depth To GW: 0-10 feet
Depth To Bedrock: Not reported
Aquifer Yield: Not reported
GW Flow Direction: SE
Acres Affected: <5 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Ground Water
Media Pot: Not reported
Source: Aboveground Tank, Pipeline Leak
Land Use: Agricultural
Private well: Monitoring
Waste Present: Not reported
Product: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ENGELMANN PARCEL (Continued)

S107032689

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: Voluntary Agreement
 Activity Status: Completed
 Activity Start Date: Not reported
 Activity End Date: 10/10/2005
 Narrative: On October 10, 2005, a Voluntary Agreement was executed between KDHE and the Engelmann Trust to further evaluate the environmental condition of the property. It appears that existing contamination at this property originated off-site.

This property is down-gradient of the Williams Kenneth Station Manifold VCPRP site. Investigations are continuing to determine the contamination source(s).

On January 24, 2005 monitoring well #10 (MW-10) was installed. Data indicates TPH-GRO and TPH-DRO exceeds regulatory limits in groundwater. Additional investigation is needed.

VCP:

Site ID: 1980
 Project code: C404672038
 PM Name: BER - Assessment and Restoration
Site Status: Resolved
 Lat/Long: 38.83991 / -94.62441
 Program: Voluntary Cleanup

5
NNE
1/2-1
0.660 mi.
3486 ft.

WILLIAMS - KENNETH MANIFOLD AREA
3419 W. 159TH STREET
KENNETH, KS

SHWS **S113813680**
VCP **N/A**

Relative:
Higher

SHWS:
 Site ID: 1055
 Has Env Use Control: No
 Project code: C404671758
 PM Name: ENGLAND, R.
Site Status: Active
 District Office: NEDO
 Lat/Long: 38.840637 / -94.624208
 River Basin: Marais des Cygnes
 Aquifer Yield: Unknown
 Other Aquifers: Not reported
 Parent PC: C404670934
 Parent Name: WILLIAMS - KENNETH STATION
 CERCLIS ID: Not reported
 Discovery Date: 11/07/2002
 Depth To GW: 11-20 feet
 Depth To Bedrock: 21-30 feet

Actual:
891 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH MANIFOLD AREA (Continued)

S113813680

Aquifer Yield: 0-10 gpm
GW Flow Direction: SE
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Ground Water, Soil
Media Pot: Not reported
Source: Facility Operations, Underground Tank/Piping
Land Use: Industrial
Private well: Monitoring
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: Voluntary Cleanup Investigation (VCI)
Activity Status: Completed
Activity Start Date: 02/01/2006
Activity End Date: 08/05/2009
Narrative: The Williams--Kenneth Manifold Area was originally part of the Williams--Kenneth Station property (C4-046-70934). The Manifold Area was split out from the original site so that the original site could achieve closure while the contaminated Manifold Area was monitored/remediated in the VCPRP.
On January 24, 2005 one monitoring well (MW-10) was installed south of 159th Street, down-gradient of the former manifold area. This area south of 159th Street is now a separate VCPRP site called Engelmann Parcel.
VCI work plan for additional investigation was submitted February 1, 2006 and KDHE sent a comment letter on February 3, 2006. VCI was completed in August 2009.
A interim remedial pilot test (in-situ soil mixing and ORC) was conducted during the summer of 2010. Sampling data results indicated the in-situ soil mixing were inconclusive. KDHE determined additional remediation is still required.
Additional investigative work was conducted late 2011. An excavation work plan was approved in June 2012. Additional excavation and ex-situ soil shredding conducted Sept-Nov 2012. Groundwater performance monitoring is still ongoing. An Environmental Use Control (EUC) application was submitted but there appears to be issues regarding property ownership of the site. Williams will resubmit the EUC application once these issues have been resolved.
The most recent semi-annual groundwater monitoring report for the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH MANIFOLD AREA (Continued)

S113813680

October 2015 event was approved on 1-20-16.

Site ID: 1055
Has Env Use Control: No
Project code: C404671758
PM Name: ENGLAND, R.
Site Status: Active
District Office: NEDO
Lat/Long: 38.840637 / -94.624208
River Basin: Marais des Cygnes
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: C404670934
Parent Name: WILLIAMS - KENNETH STATION
CERCLIS ID: Not reported
Discovery Date: 11/07/2002
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: SE
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Ground Water, Soil
Media Pot: Not reported
Source: Facility Operations, Underground Tank/Piping
Land Use: Industrial
Private well: Monitoring
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: Voluntary Agreement
Activity Status: Completed
Activity Start Date: Not reported
Activity End Date: 04/01/2003
Narrative: The Williams--Kenneth Manifold Area was originally part of the Williams--Kenneth Station property (C4-046-70934). The Manifold Area was split out from the original site so that the original site could achieve closure while the contaminated Manifold Area was monitored/remediated in the VCPRP.
On January 24, 2005 one monitoring well (MW-10) was installed south of 159th Street, down-gradient of the former manifold area. This area south of 159th Street is now a separate VCPRP site called Engelmann Parcel.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH MANIFOLD AREA (Continued)

S113813680

VCI work plan for additional investigation was submitted February 1, 2006 and KDHE sent a comment letter on February 3, 2006. VCI was completed in August 2009.

A interim remedial pilot test (in-situ soil mixing and ORC) was conducted during the summer of 2010. Sampling data results indicated the in-situ soil mixing were inconclusive. KDHE determined additional remediation is still required.

Additional investigative work was conducted late 2011. An excavation work plan was approved in June 2012. Additional excavation and ex-situ soil shredding conducted Sept-Nov 2012. Groundwater performance monitoring is still ongoing. An Environmental Use Control (EUC) application was submitted but there appears to be issues regarding property ownership of the site. Williams will resubmit the EUC application once these issues have been resolved.

The most recent semi-annual groundwater monitoring report for the October 2015 event was approved on 1-20-16.

Site ID: 1055
Has Env Use Control: No
Project code: C404671758
PM Name: ENGLAND, R.
Site Status: Active
District Office: NEDO
Lat/Long: 38.840637 / -94.624208
River Basin: Marais des Cygnes
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: C404670934
Parent Name: WILLIAMS - KENNETH STATION
CERCLIS ID: Not reported
Discovery Date: 11/07/2002
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: SE
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Ground Water, Soil
Media Pot: Not reported
Source: Facility Operations, Underground Tank/Piping
Land Use: Industrial
Private well: Monitoring
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WILLIAMS - KENNETH MANIFOLD AREA (Continued)

S113813680

Alias: Not reported
 Eucan Number: Not reported
 Date: Not reported
 Activity Type: Voluntary Cleanup Proposal
 Activity Status: Proposed
 Activity Start Date: Not reported
 Activity End Date: Not reported
 Narrative: The Williams--Kenneth Manifold Area was originally part of the Williams--Kenneth Station property (C4-046-70934). The Manifold Area was split out from the original site so that the original site could achieve closure while the contaminated Manifold Area was monitored/remediated in the VCPRP.
 On January 24, 2005 one monitoring well (MW-10) was installed south of 159th Street, down-gradient of the former manifold area. This area south of 159th Street is now a separate VCPRP site called Engelmann Parcel.
 VCI work plan for additional investigation was submitted February 1, 2006 and KDHE sent a comment letter on February 3, 2006. VCI was completed in August 2009.
 A interim remedial pilot test (in-situ soil mixing and ORC) was conducted during the summer of 2010. Sampling data results indicated the in-situ soil mixing were inconclusive. KDHE determined additional remediation is still required.
 Additional investigative work was conducted late 2011. An excavation work plan was approved in June 2012. Additional excavation and ex-situ soil shredding conducted Sept-Nov 2012. Groundwater performance monitoring is still ongoing. An Environmental Use Control (EUC) application was submitted but there appears to be issues regarding property ownership of the site. Williams will resubmit the EUC application once these issues have been resolved.
 The most recent semi-annual groundwater monitoring report for the October 2015 event was approved on 1-20-16.

VCP:
 Site ID: 1055
 Project code: C404671758
 PM Name: ENGLAND, R.
Site Status: Active
 Lat/Long: 38.840637 / -94.624208
 Program: Voluntary Cleanup

B6
NE
 1/2-1
 0.666 mi.
 3516 ft.

WILLIAMS - KENNETH STATION
3410 W 159TH STREET
OVERLAND PARK, KS
 Site 1 of 2 in cluster B

SHWS **S113813679**
VCP **N/A**

Relative:
Lower

SHWS:
 Site ID: 921
 Has Env Use Control: No
 Project code: C404670934
 PM Name: BER - Assessment and Restoration

Actual:
884 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH STATION (Continued)

S113813679

Site Status: Resolved

District Office: NEDO

Lat/Long: 38.84522 / -94.62283

River Basin: Marais des Cygnes

Aquifer Yield: Unknown

Other Aquifers: Not reported

Parent PC: Not reported

Parent Name: Not reported

CERCLIS ID: Not reported

Discovery Date: 01/28/1999

Depth To GW: 11-20 feet

Depth To Bedrock: 21-30 feet

Aquifer Yield: 0-10 gpm

GW Flow Direction: SE

Acres Affected: 26-500 acres

Waste Present: No

Product Present: No

Program: Voluntary Cleanup

Lead Agency: BER - Assessment and Restoration

Contaminants: Refined Petroleum, SVOC, VOC

Media Act: Soil

Media Pot: Not reported

Source: Aboveground Tank, Underground Tank/Piping

Land Use: 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: Not reported

Remed Water: Not reported

Remedir: Not reported

Alias: Not reported

Eucan Number: Not reported

Date: Not reported

Activity Type: No Further Action (NFA) Letter Issued

Activity Status: Completed

Activity Start Date: Not reported

Activity End Date: 08/08/2003

Narrative: The Williams Kenneth Station property has been divided into two different sites, the Manifold area and the Tank Farm. The Tank Farm portion of the property will retain the original site name of "Kenneth Station" while a new site with a separate project code will be called "Kenneth Station-Manifold Area.

" The subject property entered into the VCPRP to address petroleum contamination. The tank farm has been demolished and the ground has been leveled. A small amount of soil was excavated from the tank farm and then land-farmed on the manifold area. Several rounds of investigation have determined that no contaminants exist in soil or groundwater above KDHE Tier-2 standards and the property has therefore been given a No Further Action determination.

A deed notice was included with NFA package which warns potential buyers/owners of the property that the residual petroleum contamination in soil has the potential to cause indoor air quality

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH STATION (Continued)

S113813679

issues for any buildings constructed there in the future.

On October 26, 2006, Williams requested in writing for KDHE to remove the deed notice. KDHE agreed to the request with the understanding that the potential exists that an isolated area of soil impact could be encountered during future development. If contamination is detected, the appropriate reporting should be conducted and action should be taken to remove any residual impact during the development process.

Site ID: 921
Has Env Use Control: No
Project code: C404670934
PM Name: BER - Assessment and Restoration
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.84522 / -94.62283
River Basin: Marais des Cygnes
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: Not reported
Parent Name: Not reported
CERCLIS ID: Not reported
Discovery Date: 01/28/1999
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: SE
Acres Affected: 26-500 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum, SVOC, VOC
Media Act: Soil
Media Pot: Not reported
Source: Aboveground Tank, Underground Tank/Piping
Land Use: 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: Not reported
Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Voluntary Cleanup Investigation (VCI)
Activity Status: Completed
Activity Start Date: 02/11/1999
Activity End Date: 04/02/2003
Narrative: The Williams Kenneth Station property has been divided into two different sites, the Manifold area and the Tank Farm. The Tank Farm portion of the property will retain the original site name of

MAP FINDINGS

WILLIAMS - KENNETH STATION (Continued)

S113813679

"Kenneth Station" while a new site with a separate project code will be called "Kenneth Station-Manifold Area.

" The subject property entered into the VCPRP to address petroleum contamination. The tank farm has been demolished and the ground has been leveled. A small amount of soil was excavated from the tank farm and then land-farmed on the manifold area. Several rounds of investigation have determined that no contaminants exist in soil or groundwater above KDHE Tier-2 standards and the property has therefore been given a No Further Action determination.

A deed notice was included with NFA package which warns potential buyers/owners of the property that the residual petroleum contamination in soil has the potential to cause indoor air quality issues for any buildings constructed there in the future.

On October 26, 2006, Williams requested in writing for KDHE to remove the deed notice. KDHE agreed to the request with the understanding that the potential exists that an isolated area of soil impact could be encountered during future development. If contamination is detected, the appropriate reporting should be conducted and action should be taken to remove any residual impact during the development process.

Site ID:	921
Has Env Use Control:	No
Project code:	C404670934
PM Name:	BER - Assessment and Restoration
Site Status:	Resolved
District Office:	NEDO
Lat/Long:	38.84522 / -94.62283
River Basin:	Marais des Cygnes
Aquifer Yield:	Unknown
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	01/28/1999
Depth To GW:	11-20 feet
Depth To Bedrock:	21-30 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	SE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Voluntary Cleanup
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Refined Petroleum, SVOC, VOC
Media Act:	Soil
Media Pot:	Not reported
Source:	Aboveground Tank, Underground Tank/Piping
Land Use:	Industrial
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WILLIAMS - KENNETH STATION (Continued)

S113813679

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: Voluntary Agreement
 Activity Status: Completed
 Activity Start Date: Not reported
 Activity End Date: 02/23/1999
 Narrative:

The Williams Kenneth Station property has been divided into two different sites, the Manifold area and the Tank Farm. The Tank Farm portion of the property will retain the original site name of "Kenneth Station" while a new site with a separate project code will be called "Kenneth Station-Manifold Area.

" The subject property entered into the VCPRP to address petroleum contamination. The tank farm has been demolished and the ground has been leveled. A small amount of soil was excavated from the tank farm and then land-farmed on the manifold area. Several rounds of investigation have determined that no contaminants exist in soil or groundwater above KDHE Tier-2 standards and the property has therefore been given a No Further Action determination.

A deed notice was included with NFA package which warns potential buyers/owners of the property that the residual petroleum contamination in soil has the potential to cause indoor air quality issues for any buildings constructed there in the future.

On October 26, 2006, Williams requested in writing for KDHE to remove the deed notice. KDHE agreed to the request with the understanding that the potential exists that an isolated area of soil impact could be encountered during future development. If contamination is detected, the appropriate reporting should be conducted and action should be taken to remove any residual impact during the development process.

VCP:

Site ID: 921
 Project code: C404670934
 PM Name: BER - Assessment and Restoration
Site Status: Resolved
 Lat/Long: 38.84522 / -94.62283
 Program: Voluntary Cleanup

B7
NE
 1/2-1
 0.666 mi.
 3516 ft.

WILLIAMS - KENNETH STATION REDEVELOPMENT
3410 WEST 159TH STREET
OVERLAND PARK, KS 66224

SHWS S107556451
VCP N/A

Site 2 of 2 in cluster B

Relative:
Lower

SHWS:
 Site ID: 2053
 Has Env Use Control: No
 Project code: C404672111
 PM Name: BER - Assessment and Restoration

Actual:
884 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH STATION REDEVELOPMENT (Continued)

S107556451

Site Status:	Resolved
District Office:	NEDO
Lat/Long:	38.840699 / -94.625168
River Basin:	Marais des Cygnes
Aquifer Yield:	Unknown
Other Aquifers:	Not reported
Parent PC:	C404670934
Parent Name:	WILLIAMS - KENNETH STATION
CERCLIS ID:	Not reported
Discovery Date:	Not reported
Depth To GW:	11-20 feet
Depth To Bedrock:	21-30 feet
Aquifer Yield:	Not reported
GW Flow Direction:	SE
Acres Affected:	5-25 acres
Waste Present:	No
Product Present:	No
Program:	Voluntary Cleanup
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Refined Petroleum
Media Act:	Not reported
Media Pot:	Ground Water, Soil
Source:	Facility Operations
Land Use:	Agricultural, Residential
Private well:	Monitoring
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:	No Further Action (NFA) Letter Issued
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	07/28/2006
Narrative:	<p>On February 13, 2006, BER received a VCPRP application from Williams Petroleum Services, LLC for the Kenneth Station - Redevelopment property located at 3410 West 159th Street, Kenneth, Johnson County, Kansas 66224 (Sec 10, T14S, R25E). The site is a former tank farm and pumping station for petroleum products and was constructed by Sinclair Pipe Line prior to 1950. Arco Pipe Line purchased the station in 1950 and operated the plant until Williams purchased the property on April 29, 1996. Williams discontinued operations at the facility in 1997 and dismantled all the structures and pipelines with the intent to sell the property for residential development.</p> <p>The subject property was previously a part of the Williams - Kenneth Manifold Area VCPRP site (project code C4-046-71758) which consisted of 10 acres. The application splits the ?cleanest? 7 acres out of the Kenneth Manifold Area and creates a new VCPRP site in order to obtain a No Further Action for this portion of the project. Several phases of investigations with KDHE oversight have been</p>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH STATION REDEVELOPMENT (Continued)

S107556451

conducted at the subject property and adjacent properties. The Kenneth Manifold Area has known TPH soil and groundwater impacts that exceed residential RSK concentrations. The groundwater plume from the manifold area appears to be migrating south and southeast across West 159th Street onto the Engelmann Parcel (VCPRP class I property).

Voluntary Agreement was signed by the KDHE Secretary on March 27, 2006.

Site ID: 2053
Has Env Use Control: No
Project code: C404672111
PM Name: BER - Assessment and Restoration
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.840699 / -94.625168
River Basin: Marais des Cygnes
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: C404670934
Parent Name: WILLIAMS - KENNETH STATION
CERCLIS ID: Not reported
Discovery Date: Not reported
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: Not reported
GW Flow Direction: SE
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Not reported
Media Pot: Ground Water, Soil
Source: Facility Operations
Land Use: Agricultural, Residential
Private well: Monitoring
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: Voluntary Agreement
Activity Status: Completed
Activity Start Date: 02/13/2006
Activity End Date: 03/27/2006
Narrative: On February 13, 2006, BER received a VCPRP application from Williams Petroleum Services, LLC for the Kenneth Station - Redevelopment property located at 3410 West 159th Street, Kenneth, Johnson County, Kansas 66224 (Sec 10, T14S, R25E). The site is a former tank farm

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH STATION REDEVELOPMENT (Continued)

S107556451

and pumping station for petroleum products and was constructed by Sinclair Pipe Line prior to 1950. Arco Pipe Line purchased the station in 1950 and operated the plant until Williams purchased the property on April 29, 1996. Williams discontinued operations at the facility in 1997 and dismantled all the structures and pipelines with the intent to sell the property for residential development.

The subject property was previously a part of the Williams - Kenneth Manifold Area VCPRP site (project code C4-046-71758) which consisted of 10 acres. The application splits the "cleanest" 7 acres out of the Kenneth Manifold Area and creates a new VCPRP site in order to obtain a No Further Action for this portion of the project. Several phases of investigations with KDHE oversight have been conducted at the subject property and adjacent properties. The Kenneth Manifold Area has known TPH soil and groundwater impacts that exceed residential RSK concentrations. The groundwater plume from the manifold area appears to be migrating south and southeast across West 159th Street onto the Engelmann Parcel (VCPRP class I property).

Voluntary Agreement was signed by the KDHE Secretary on March 27, 2006.

Site ID: 2053
Has Env Use Control: No
Project code: C404672111
PM Name: BER - Assessment and Restoration
Site Status: Resolved
District Office: NEDO
Lat/Long: 38.840699 / -94.625168
River Basin: Marais des Cygnes
Aquifer Yield: Unknown
Other Aquifers: Not reported
Parent PC: C404670934
Parent Name: WILLIAMS - KENNETH STATION
CERCLIS ID: Not reported
Discovery Date: Not reported
Depth To GW: 11-20 feet
Depth To Bedrock: 21-30 feet
Aquifer Yield: Not reported
GW Flow Direction: SE
Acres Affected: 5-25 acres
Waste Present: No
Product Present: No
Program: Voluntary Cleanup
Lead Agency: BER - Assessment and Restoration
Contaminants: Refined Petroleum
Media Act: Not reported
Media Pot: Ground Water, Soil
Source: Facility Operations
Land Use: Agricultural, Residential
Private well: Monitoring
Waste Present: Not reported
Product: Not reported
Receptor Act: Not reported
Receptor Pot: Not reported
Remed Air: Not reported
Remed Soil: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS - KENNETH STATION REDEVELOPMENT (Continued)

S107556451

Remed Water: Not reported
Remedir: Not reported
Alias: Not reported
Eucan Number: Not reported
Date: Not reported
Activity Type: Voluntary Cleanup Investigation (VCI)
Activity Status: Proposed
Activity Start Date: Not reported
Activity End Date: Not reported
Narrative: On February 13, 2006, BER received a VCPRP application from Williams

Petroleum Services, LLC for the Kenneth Station - Redevelopment property located at 3410 West 159th Street, Kenneth, Johnson County, Kansas 66224 (Sec 10, T14S, R25E). The site is a former tank farm and pumping station for petroleum products and was constructed by Sinclair Pipe Line prior to 1950. Arco Pipe Line purchased the station in 1950 and operated the plant until Williams purchased the property on April 29, 1996. Williams discontinued operations at the facility in 1997 and dismantled all the structures and pipelines with the intent to sell the property for residential development.

The subject property was previously a part of the Williams - Kenneth Manifold Area VCPRP site (project code C4-046-71758) which consisted of 10 acres. The application splits the ?cleanest? 7 acres out of the Kenneth Manifold Area and creates a new VCPRP site in order to obtain a No Further Action for this portion of the project. Several phases of investigations with KDHE oversight have been conducted at the subject property and adjacent properties. The Kenneth Manifold Area has known TPH soil and groundwater impacts that exceed residential RSK concentrations. The groundwater plume from the manifold area appears to be migrating south and southeast across West 159th Street onto the Engelmann Parcel (VCPRP class I property).

Voluntary Agreement was signed by the KDHE Secretary on March 27, 2006.

VCP:

Site ID: 2053
Project code: C404672111
PM Name: BER - Assessment and Restoration
Site Status: Resolved
Lat/Long: 38.840699 / -94.625168
Program: Voluntary Cleanup

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OVERLAND PARK	S117841907	SHAWNEE MISSION KIA USED CAR SALES	7601 WEST SHAWNEE MISSION PKWY		LUST
STANLEY	S115569689	KUHLMAN DIECASTING CO., INC.	164TH & MISSION ROAD		RGA HWS
STANLEY	1010006069	KUHLMAN DIECASTING	164TH & MISSION RD	66223	FTTS
STANLEY	1008183405	KUHLMAN DIECASTING	164TH & MISSION RD	66223	HIST FTTS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	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 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

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: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	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: 11/13/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2016	Telephone: 703-603-8704
Date Made Active in Reports: 05/20/2016	Last EDR Contact: 07/06/2016
Number of Days to Update: 135	Next Scheduled EDR Contact: 10/17/2016
	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: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/22/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/22/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2016
	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: 12/09/2015	Source: EPA
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/10/2016
	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	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: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 913-551-7003
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/16/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/29/2016
	Data 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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/28/2016
Date Data Arrived at EDR: 03/30/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 51

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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: 07/11/2016
Date Data Arrived at EDR: 07/11/2016
Date Made Active in Reports: 07/14/2016
Number of Days to Update: 3

Source: Department of Health and Environment
Telephone: 785-296-1660
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

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

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: 04/21/2016
Date Data Arrived at EDR: 04/22/2016
Date Made Active in Reports: 06/15/2016
Number of Days to Update: 54

Source: Department of Health and Environment
Telephone: 785-296-1590
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Annually

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: 06/15/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 33

Source: Department of Health & Environment
Telephone: 785-296-6377
Last EDR Contact: 06/09/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tanks

Leaking aboveground storage tank site locations.

Date of Government Version: 07/08/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 7

Source: Department of Health & Environment
Telephone: 785-296-1685
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/08/2016	Source: Department of Health and Environment
Date Data Arrived at EDR: 07/12/2016	Telephone: 785-296-1685
Date Made Active in Reports: 07/19/2016	Last EDR Contact: 06/28/2016
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 112	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/07/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Varies

UST: Underground Storage Tank Data
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/08/2016	Source: Department of Health and Environment
Date Data Arrived at EDR: 07/12/2016	Telephone: 785-296-1685
Date Made Active in Reports: 07/19/2016	Last EDR Contact: 06/28/2016
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Data
Registered Aboveground Storage Tanks.

Date of Government Version: 07/08/2016	Source: Department of Health and Environment
Date Data Arrived at EDR: 07/12/2016	Telephone: 785-296-1685
Date Made Active in Reports: 07/19/2016	Last EDR Contact: 06/28/2016
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

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: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 120	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/07/2016
	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: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

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: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

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: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

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: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	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: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/27/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Controls Information

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

Date of Government Version: 07/11/2016	Source: Department of Health & Environment
Date Data Arrived at EDR: 07/11/2016	Telephone: 785-296-8049
Date Made Active in Reports: 07/19/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 8	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

VCP: Identified Sites List

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

Date of Government Version: 07/11/2016	Source: Department of Health & Environment
Date Data Arrived at EDR: 07/11/2016	Telephone: 785-296-8049
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 10/24/2016
	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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/01/2016
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Identified Sites List

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

Date of Government Version: 07/11/2016	Source: Department of Health & Environment
Date Data Arrived at EDR: 07/11/2016	Telephone: 785-296-8049
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/22/2016	Telephone: 202-566-2777
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 06/22/2016
Number of Days to Update: 113	Next Scheduled EDR Contact: 10/03/2016
	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: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 04/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/15/2016
	Data Release Frequency: Varies

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: 07/20/2016
Number of Days to Update: 137	Next Scheduled EDR Contact: 10/07/2016
	Data Release Frequency: No Update Planned

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 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

Local Lists of Hazardous waste / Contaminated Sites

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: 05/04/2016	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-307-1000
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 05/31/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/13/2016
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 contaminants 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

CDL: Clandestine Laboratory Data Clandestine meth lab location

Date of Government Version: 09/29/2009
Date Data Arrived at EDR: 10/02/2009
Date Made Active in Reports: 10/20/2009
Number of Days to Update: 18

Source: Department of Health and Environment
Telephone: 785-368-7301
Last EDR Contact: 05/16/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Varies

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: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 09/12/2016
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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

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: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

SPILLS: Kansas Spills Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2016
Date Data Arrived at EDR: 07/13/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 6

Source: Department of Health and Environment
Telephone: 785-296-1660
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

SPILLS 2: Spills Database

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

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/13/2016
Date Made Active in Reports: 03/10/2016
Number of Days to Update: 57

Source: Kansas Corporation Commission
Telephone: 316-337-6626
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

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: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
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: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
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: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/20/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/29/2016
	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: 09/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015	Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/18/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 08/29/2016
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/09/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/22/2016
	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: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 05/12/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/22/2016
	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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/24/2016
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 05/24/2016
Number of Days to Update: 133	Next Scheduled EDR Contact: 09/05/2016
	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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/25/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/07/2016
	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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/07/2016
Number of Days to Update: 74	Next Scheduled EDR Contact: 09/19/2016
	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: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 07/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/07/2016
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 07/15/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 07/07/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/18/2016	Telephone: 301-415-7169
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 05/06/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/09/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/19/2016
	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.

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: 06/10/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/19/2016
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/07/2016
	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: 07/07/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2015	Telephone: 202-343-9775
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 07/07/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/17/2016
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/10/2016
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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/11/2016
Date Data Arrived at EDR: 03/15/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 80

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion 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

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 06/03/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/12/2016
	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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 06/03/2016
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

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: 07/20/2015	Source: EPA
Date Data Arrived at EDR: 09/09/2015	Telephone: (913) 551-7003
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 06/08/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/19/2016
	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: 03/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 05/25/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Varies

AIRS: Title V Source Information

A listing of title V sources, including emissions information.

Date of Government Version: 12/31/2014	Source: Department of Health & Environment
Date Data Arrived at EDR: 01/27/2016	Telephone: 785-296-6427
Date Made Active in Reports: 03/10/2016	Last EDR Contact: 06/24/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combustion waste landfills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/19/2016
Date Data Arrived at EDR: 06/02/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 47

Source: Department of Health & Environment
Telephone: 785-296-1600
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaning Facilities A listing of registered drycleaners.

Date of Government Version: 06/01/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 46

Source: Department of Health & Environment
Telephone: 785-291-3250
Last EDR Contact: 05/26/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

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: 07/08/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 7

Source: Department of Health & Environment
Telephone: 785-296-1685
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

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: 12/31/2015
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 21

Source: Department of Health & Environment
Telephone: 785-296-1688
Last EDR Contact: 06/16/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Annually

UIC: Underground Injection Wells Database Listing

A listing of underground injection wells.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/15/2016
Number of Days to Update: 36

Source: Department of Health & Environment
Telephone: 785-296-1367
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

NPDES: Wastewater Permit Listing

A listing of facilities with wastewater permits.

Date of Government Version: 06/07/2016
Date Data Arrived at EDR: 06/09/2016
Date Made Active in Reports: 07/19/2016
Number of Days to Update: 40

Source: Department of Health & Environment
Telephone: 785-296-5517
Last EDR Contact: 06/07/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 05/24/2016	Source: EPA
Date Data Arrived at EDR: 05/25/2016	Telephone: 800-385-6164
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 05/25/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

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

EDR Hist Auto: EDR Exclusive Historic Gas 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

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

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	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

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: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 05/13/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/29/2016
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/01/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

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

KUHLMAN DIECASTING
16400 MISSION ROAD
STILWELL, KS 66085

TARGET PROPERTY COORDINATES

Latitude (North):	38.829916 - 38° 49' 47.70"
Longitude (West):	94.633244 - 94° 37' 59.68"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	358228.8
UTM Y (Meters):	4298962.0
Elevation:	891 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5689828 STILWELL, KS
Version Date:	2012
East Map:	6726087 BELTON, MO
Version Date:	2015

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 principal 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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).

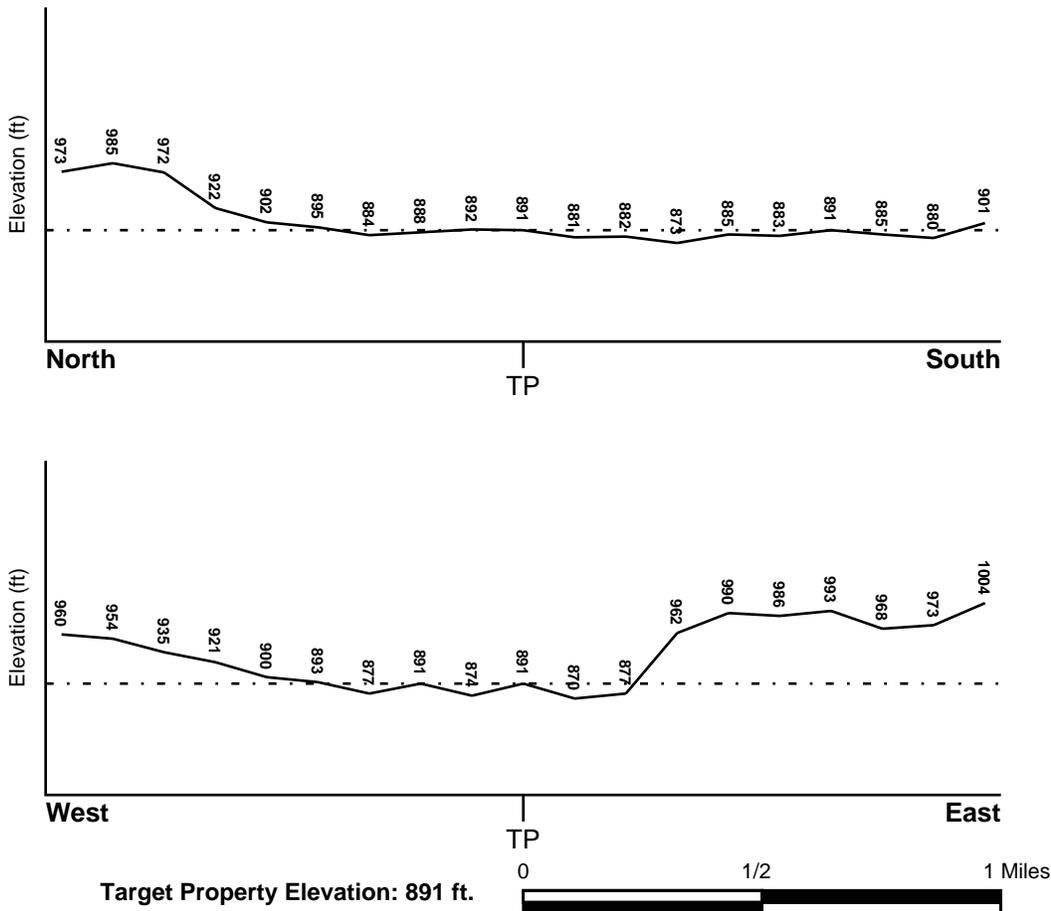
TOPOGRAPHIC INFORMATION

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 West

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

<u>Target Property County</u> JOHNSON, KS	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	20091C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> STILWELL	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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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.

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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

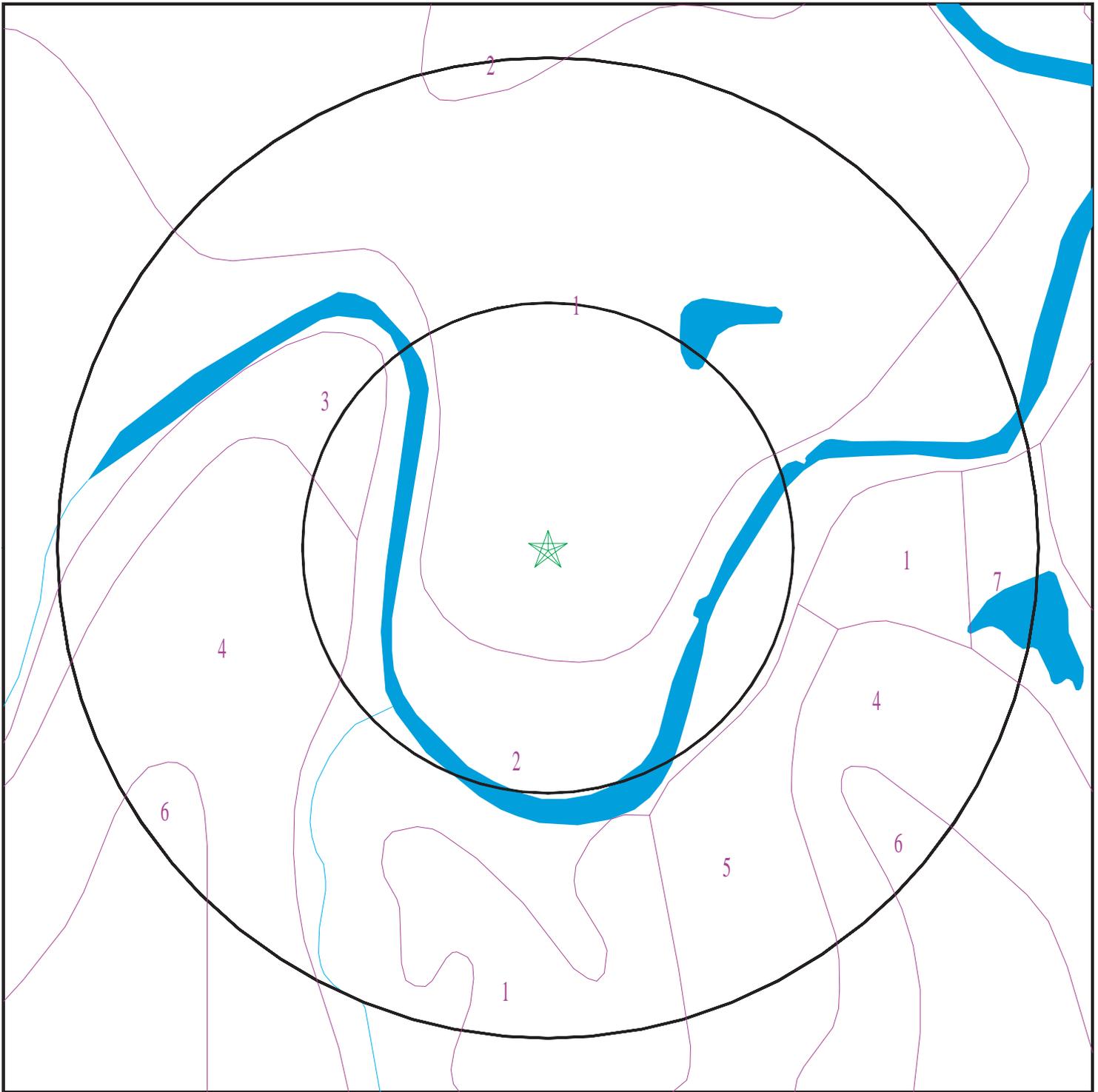
Era:	Paleozoic
System:	Pennsylvanian
Series:	Missourian Series
Code:	PP3 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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).

SSURGO SOIL MAP - 4692668.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell KS 66085
LAT/LONG: 38.829916 / 94.633244

CLIENT: Tetra Tech EMI
CONTACT: John Simpson
INQUIRY #: 4692668.2s
DATE: August 04, 2016 4:48 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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: Chase

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	18 inches	42 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.3 Min: 5.6
3	42 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: 1.411 Min: 0.4233	Max: 8.4 Min: 6.1
4	9 inches	18 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 Soils.	Max: 1.411 Min: 0.4233	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	7 inches	18 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
3	18 inches	31 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
4	31 inches	40 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
5	40 inches	53 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
6	53 inches	79 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Martin

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	9 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 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6.5 Min: 5.6
2	33 inches	59 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6
3	0 inches	9 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: 4.233 Min: 1.411	Max: 6.5 Min: 5.6
4	14 inches	33 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6

Soil Map ID: 4

Soil Component Name: Vinland

Soil Surface Texture: weathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	16 inches	20 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:
2	0 inches	3 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.8 Min: 5.6
3	3 inches	11 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.8 Min: 5.6
4	11 inches	16 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.8 Min: 5.6

Soil Map ID: 5

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: > 122 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	12 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 Soils.	Max: 14.11 Min: 4.233	Max: 6.5 Min: 6.1
2	12 inches	31 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. Soils.	Max: 4.233 Min: 1.411	Max: 6 Min: 5.1
3	31 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 Soils.	Max: 14.11 Min: 4.233	Max: 6.5 Min: 5.1
4	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 Soils.	Max: 14.11 Min: 4.233	Max: 6.5 Min: 6.1

Soil Map ID: 6

Soil Component Name: Oska

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 81 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	31 inches	35 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:
2	7 inches	16 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: 6.5 Min: 5.6
3	16 inches	31 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.3 Min: 5.6
4	0 inches	7 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 Soils.	Max: 4.233 Min: 1.411	Max: 6.5 Min: 5.6

Soil Map ID: 7

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	7 inches	18 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
3	18 inches	31 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
4	31 inches	40 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
5	40 inches	53 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
6	53 inches	79 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
24	USGS40000360147	1/2 - 1 Mile SE
28	USGS40000360148	1/2 - 1 Mile SW
35	USGS40000360099	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

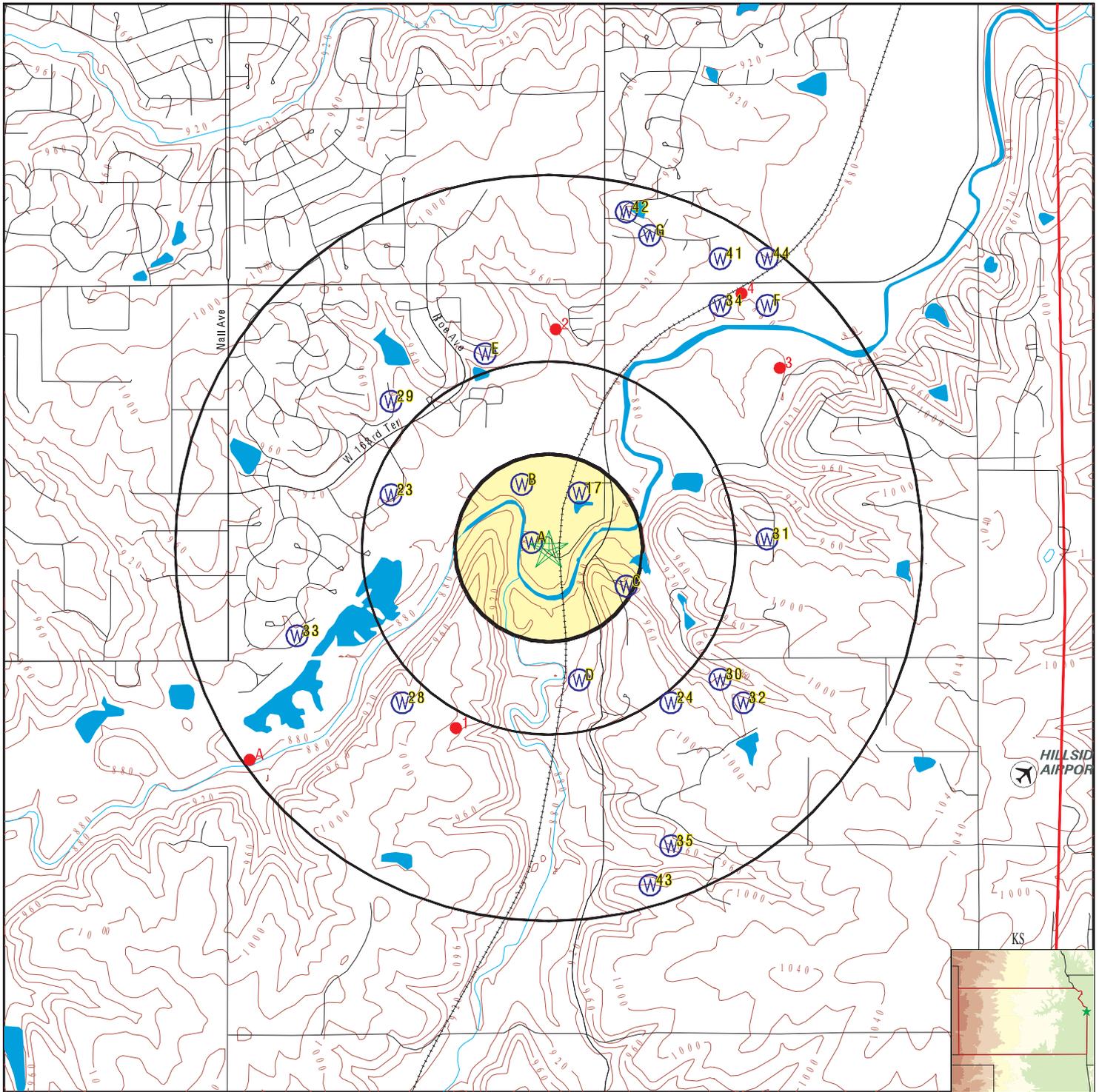
MAP ID	WELL ID	LOCATION FROM TP
A1	KS8000000238623	0 - 1/8 Mile SW
A2	KS800000030771	0 - 1/8 Mile WNW
A3	KS800000030772	0 - 1/8 Mile WNW
A4	KS800000030773	0 - 1/8 Mile WNW
A5	KS800000030768	0 - 1/8 Mile WNW
A6	KS800000030769	0 - 1/8 Mile WNW
A7	KS800000030770	0 - 1/8 Mile WNW
A8	KS800000030774	0 - 1/8 Mile WNW
A9	KS800000030779	0 - 1/8 Mile WNW
A10	KS800000030780	0 - 1/8 Mile WNW
A11	KS800000030782	0 - 1/8 Mile WNW
A12	KS800000030775	0 - 1/8 Mile WNW
A13	KS800000030776	0 - 1/8 Mile WNW
A14	KS800000030777	0 - 1/8 Mile WNW
A15	KS8000000238622	0 - 1/8 Mile WSW
B16	KS800000030781	1/8 - 1/4 Mile NNW
17	KS800000030778	1/8 - 1/4 Mile NNE
B18	KS8000000238621	1/8 - 1/4 Mile NNW
C19	KS8000000183665	1/8 - 1/4 Mile ESE
C20	KS8000000188020	1/8 - 1/4 Mile ESE
D21	KS8000000202887	1/4 - 1/2 Mile SSE
D22	KS8000000202888	1/4 - 1/2 Mile SSE
23	KS8000000148203	1/4 - 1/2 Mile WNW
E25	KS8000000193272	1/2 - 1 Mile NNW
E26	KS8000000193429	1/2 - 1 Mile NNW
E27	KS8000000193430	1/2 - 1 Mile NNW
29	KS8000000143319	1/2 - 1 Mile NW
30	KS8000000167768	1/2 - 1 Mile SE
31	KS800000030767	1/2 - 1 Mile East
32	KS8000000167732	1/2 - 1 Mile SE
33	KS8000000158343	1/2 - 1 Mile WSW
34	KS8000000197181	1/2 - 1 Mile NE
F36	KS8000000183220	1/2 - 1 Mile NE
F37	KS8000000183221	1/2 - 1 Mile NE
F38	KS8000000183222	1/2 - 1 Mile NE
G39	KS8000000167729	1/2 - 1 Mile NNE
G40	KS8000000167730	1/2 - 1 Mile NNE
41	KS8000000196768	1/2 - 1 Mile NNE
42	KS8000000204741	1/2 - 1 Mile NNE
43	KS8000000240970	1/2 - 1 Mile SSE
44	KS8000000196767	1/2 - 1 Mile NE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

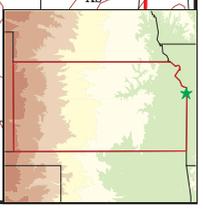
MAP ID	WELL ID	LOCATION FROM TP
1	KSOG11000242517	1/2 - 1 Mile SSW
2	KSOG11000248741	1/2 - 1 Mile North
3	KSOG11000287430	1/2 - 1 Mile NE
4	KSOG11000293232	1/2 - 1 Mile NE
A5	KSOG11000241850	1/2 - 1 Mile SW
A6	KSOG11000109824	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 4692668.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



<p>SITE NAME: Kuhlman Diecasting ADDRESS: 16400 Mission Road Stilwell KS 66085 LAT/LONG: 38.829916 / 94.633244</p>	<p>CLIENT: Tetra Tech EMI CONTACT: John Simpson INQUIRY #: 4692668.2s DATE: August 04, 2016 4:47 pm</p>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SW
0 - 1/8 Mile
Lower

KS WELLS KS8000000238623

Well id:	467252	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6336774		
Latitude:	38.8294366		
Long lat t:	GPS		
Owner:	EPA Region	Well use:	Monitoring well/observation/piezometer
Comple dat:	10-Jun-2013	Status:	CONSTRUCTED
Other id:	MW 3		
Dwr number:	Not Reported		
Directions:	16400 Mission Rd, Stillwell - former Kuhlman Diecasting Facility		
Well depth:	28		
Elev:	894	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Razek Environmental, LLC		
Well kid:	1044589381		
Site id:	KS8000000238623		

A2
WNW
0 - 1/8 Mile
Lower

KS WELLS KS8000000030771

Well id:	31242	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	07-Sep-1989	Status:	CONSTRUCTED
Other id:	P2B		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	15		
Elev:	890.61	Static dep:	10.1
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169310		
Site id:	KS8000000030771		

A3
WNW
0 - 1/8 Mile
Lower

KS WELLS KS8000000030772

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	31243	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	20-Sep-1989	Status:	CONSTRUCTED
Other id:	P1A		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	32.3		
Elev:	891.08	Static dep:	6.1
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169312		
Site id:	KS8000000030772		

**A4
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030773

Well id:	31244	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	19-Sep-1989	Status:	CONSTRUCTED
Other id:	P1		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	60		
Elev:	890.65	Static dep:	58.3
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169314		
Site id:	KS8000000030773		

**A5
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030768

Well id:	31239	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	27-Sep-1989	Status:	CONSTRUCTED
Other id:	P3A		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	21.25		
Elev:	882.85	Static dep:	5.49
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169304		
Site id:	KS8000000030768		

**A6
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030769

Well id:	31240	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	30-Aug-1989	Status:	CONSTRUCTED
Other id:	P2A		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	31.3		
Elev:	890.24	Static dep:	9.3
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169306		
Site id:	KS8000000030769		

**A7
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030770

Well id:	31241	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	26-Sep-1989	Status:	CONSTRUCTED
Other id:	P3		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	51.2		
Elev:	880.63	Static dep:	50.2
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169308		
Site id:	KS8000000030770		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A8
WNW
0 - 1/8 Mile
Lower

KS WELLS KS8000000030774

Well id:	31245	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	05-Sep-1989	Status:	CONSTRUCTED
Other id:	P4		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	32		
Elev:	895.89	Static dep:	12.07
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169316		
Site id:	KS8000000030774		

A9
WNW
0 - 1/8 Mile
Lower

KS WELLS KS8000000030779

Well id:	31250	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	29-Oct-1983	Status:	CONSTRUCTED
Other id:	GM 4		
Dwr number:	Not Reported		
Directions:	from plant building at 164th and Mission: .25 mi S		
Well depth:	19.5		
Elev:	Not Reported	Static dep:	3
Est yield:	Not Reported		
Driller:	Layne Christensen Co.		
Well kid:	1040170319		
Site id:	KS8000000030779		

A10
WNW
0 - 1/8 Mile
Lower

KS WELLS KS8000000030780

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	31251	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	04-Nov-1983	Status:	CONSTRUCTED
Other id:	GM-3		
Dwr number:	Not Reported		
Directions:	from plant building at 164th and Mission: .25 mi SW		
Well depth:	19.5		
Elev:	Not Reported	Static dep:	2
Est yield:	Not Reported		
Driller:	Layne Christensen Co.		
Well kid:	1040170321		
Site id:	KS8000000030780		

**A11
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030782

Well id:	31253	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	27-Sep-1989	Status:	CONSTRUCTED
Other id:	P3B		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	16		
Elev:	882.99	Static dep:	4.58
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040170325		
Site id:	KS8000000030782		

**A12
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030775

Well id:	31246	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	31-Aug-1989	Status:	CONSTRUCTED
Other id:	P5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	30.66	Static dep:	8.97
Elev:	889.86		
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040169318		
Site id:	KS8000000030775		

**A13
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030776

Well id:	31247	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	31-Aug-1989	Status:	CONSTRUCTED
Other id:	P6		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	21.5		
Elev:	882.7	Static dep:	5.06
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040170313		
Site id:	KS8000000030776		

**A14
WNW
0 - 1/8 Mile
Lower**

KS WELLS KS8000000030777

Well id:	31248	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SWNESE
Longitude:	-94.6338278		
Latitude:	38.8302118		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Other
Comple dat:	19-Sep-1989	Status:	CONSTRUCTED
Other id:	P1P		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	16		
Elev:	891.45	Static dep:	5.05
Est yield:	Not Reported		
Driller:	URS Greiner - Woodward-Clyde		
Well kid:	1040170315		
Site id:	KS8000000030777		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A15
WSW
0 - 1/8 Mile
Lower

KS WELLS KS8000000238622

Well id:	467251	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6344076		
Latitude:	38.829618		
Long lat t:	GPS		
Owner:	EPA Region	Well use:	Monitoring well/observation/piezometer
Comple dat:	10-Jun-2013	Status:	CONSTRUCTED
Other id:	MW 2		
Dwr number:	Not Reported		
Directions:	16400 Mission Rd, Stillwell - former Kuhlman Diecasting Facility		
Well depth:	25		
Elev:	919	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Razek Environmental, LLC		
Well kid:	1044589379		
Site id:	KS8000000238622		

B16
NNW
1/8 - 1/4 Mile
Higher

KS WELLS KS8000000030781

Well id:	31252	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	NWNESE
Longitude:	-94.6338282		
Latitude:	38.8320272		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	28-Oct-1983	Status:	CONSTRUCTED
Other id:	GM 2		
Dwr number:	Not Reported		
Directions:	from plant building at 164th and Mission: 800' NW		
Well depth:	29.5		
Elev:	Not Reported	Static dep:	11
Est yield:	Not Reported		
Driller:	Layne Christensen Co.		
Well kid:	1040170323		
Site id:	KS8000000030781		

17
NNE
1/8 - 1/4 Mile
Lower

KS WELLS KS8000000030778

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	31249	County:	Johnson
Township:	14	TwN dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	NE NE SE
Longitude:	-94.6314927		
Latitude:	38.8320452		
Long lat t:	From PLSS		
Owner:	Kuhlman Di	Well use:	Monitoring well/observation/piezometer
Comple dat:	28-Oct-1983	Status:	CONSTRUCTED
Other id:	GM 1		
Dwr number:	Not Reported		
Directions:	from plant building at 164th and Mission: 800' N		
Well depth:	29.5		
Elev:	Not Reported	Static dep:	5.5
Est yield:	Not Reported		
Driller:	Layne Christensen Co.		
Well kid:	1040170317		
Site id:	KS8000000030778		

**B18
NNW
1/8 - 1/4 Mile
Lower**

KS WELLS KS8000000238621

Well id:	467250	County:	Johnson
Township:	14	TwN dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SW NE SE
Longitude:	-94.6348569		
Latitude:	38.8327288		
Long lat t:	GPS		
Owner:	EPA Region	Well use:	Monitoring well/observation/piezometer
Comple dat:	10-Jun-2013	Status:	CONSTRUCTED
Other id:	MW 1		
Dwr number:	Not Reported		
Directions:	16400 Mission Rd, Stillwell - former Kuhlman Diecasting Facility		
Well depth:	30		
Elev:	938	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Razek Environmental, LLC		
Well kid:	1044589377		
Site id:	KS8000000238621		

**C19
ESE
1/8 - 1/4 Mile
Higher**

KS WELLS KS8000000183665

Well id:	389542	County:	Johnson
Township:	14	TwN dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	NW SW SW
Longitude:	-94.6291612		
Latitude:	38.8284253		
Long lat t:	From PLSS		
Owner:	Madl, Perr	Well use:	Domestic
Comple dat:	19-Jun-2006	Status:	CONSTRUCTED
Other id:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	120		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1040503895		
Site id:	KS8000000183665		

C20
ESE
1/8 - 1/4 Mile
Higher

KS WELLS KS8000000188020

Well id:	397826	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	NW SW SW
Longitude:	-94.6291612		
Latitude:	38.8284253		
Long lat t:	From PLSS		
Owner:	Madl, Perr	Well use:	Other
Comple dat:	19-Jun-2006	Status:	PLUGGED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	(exploratory well)		
Well depth:	120		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1044046782		
Site id:	KS8000000188020		

D21
SSE
1/4 - 1/2 Mile
Higher

KS WELLS KS8000000202887

Well id:	419375	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	21	Spot:	NE NE NE
Longitude:	-94.631494		
Latitude:	38.8247798		
Long lat t:	From PLSS		
Owner:	Kenney, Ro	Well use:	Irrigation
Comple dat:	07-Jul-2008	Status:	CONSTRUCTED
Other id:	Well 1		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	35		
Elev:	Not Reported	Static dep:	15
Est yield:	2		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1040544666		
Site id:	KS8000000202887		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D22
SSE
1/4 - 1/2 Mile
Higher

KS WELLS KS8000000202888

Well id:	419376	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	21	Spot:	NE NE NE
Longitude:	-94.631494		
Latitude:	38.8247798		
Long lat t:	From PLSS		
Owner:	Kenney, Ro	Well use:	Irrigation
Comple dat:	30-Jul-2008	Status:	CONSTRUCTED
Other id:	Well 2		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	35		
Elev:	Not Reported	Static dep:	15
Est yield:	3		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1040541919		
Site id:	KS8000000202888		

23
WNW
1/4 - 1/2 Mile
Higher

KS WELLS KS8000000148203

Well id:	333435	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	NE NE SW
Longitude:	-94.6408345		
Latitude:	38.8319734		
Long lat t:	From PLSS		
Owner:	Blue Valle	Well use:	Heat Pump (Closed Loop/Disposal), Geothermal
Comple dat:	07-Nov-2001	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	4601 W 163rd Terrace, Stanley (16 - 180' Bores)		
Well depth:	180		
Elev:	Not Reported	Static dep:	22
Est yield:	3		
Driller:	Evans Energy Development, Inc.		
Well kid:	1040448384		
Site id:	KS8000000148203		

24
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000360147

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-384926094373701		
Monloc name:	14S 25E 22BAA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10300101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.823897
Longitude:	-94.6271784	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	980.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Stark Shale Member of Dennis Limestone		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	225
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**E25
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS8000000193272

Well id:	405604	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SE NW NE
Longitude:	-94.6361654		
Latitude:	38.8374548		
Long lat t:	From PLSS		
Owner:	Allison, D	Well use:	Domestic
Comple dat:	24-May-2007	Status:	PLUGGED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	20		
Elev:	Not Reported	Static dep:	5
Est yield:	Not Reported		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1044046784		
Site id:	KS8000000193272		

**E26
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS8000000193429

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	405801	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SE NW NE
Longitude:	-94.6361654		
Latitude:	38.8374548		
Long lat t:	From PLSS		
Owner:	Allison, D	Well use:	Domestic
Comple dat:	24-May-2007	Status:	PLUGGED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	20		
Elev:	Not Reported	Static dep:	5
Est yield:	Not Reported		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1044046785		
Site id:	KS8000000193429		

**E27
NNW
1/2 - 1 Mile
Higher**

KS WELLS KS8000000193430

Well id:	405802	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SE NW NE
Longitude:	-94.6361654		
Latitude:	38.8374548		
Long lat t:	From PLSS		
Owner:	Allison, D	Well use:	Domestic
Comple dat:	24-May-2007	Status:	PLUGGED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	20		
Elev:	Not Reported	Static dep:	5
Est yield:	Not Reported		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1044046783		
Site id:	KS8000000193430		

**28
SW
1/2 - 1 Mile
Higher**

FED USGS USGS40000360148

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-384926094382501		
Monloc name:	14S 25E 21ABA 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10300101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.823897
Longitude:	-94.640512	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	857.00
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19650101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	552
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**29
NW
1/2 - 1 Mile
Higher**

KS WELLS KS8000000143319

Well id:	327788	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	NE SE NW
Longitude:	-94.6408366		
Latitude:	38.8356028		
Long lat t:	From PLSS		
Owner:	Gary, Tim	Well use:	Heat Pump (Closed Loop/Disposal), Geothermal
Comple dat:	31-Oct-2001	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	4833 W 162nd St, Overland Park (four 175-foot bores)		
Well depth:	175		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Evans Energy Development, Inc.		
Well kid:	1040436056		
Site id:	KS8000000143319		

**30
SE
1/2 - 1 Mile
Higher**

KS WELLS KS8000000167768

Well id:	360228	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	22	Spot:	NW NE NW
Longitude:	-94.6245094		
Latitude:	38.8248017		
Long lat t:	From PLSS		
Owner:	Rick Forne	Well use:	Air Conditioning
Comple dat:	18-Jan-2005	Status:	PLUGGED
Other id:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dwr number:	Not Reported		
Directions:	16833 Palos Verdes, Standly (6 bores at 360')		
Well depth:	360		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Evans Energy Development, Inc.		
Well kid:	1044046790		
Site id:	KS8000000167768		

**31
East
1/2 - 1 Mile
Higher**

KS WELLS KS8000000030767

Well id:	31238	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	SE NE SW
Longitude:	-94.6221767		
Latitude:	38.8302565		
Long lat t:	From PLSS		
Owner:	Chung, Sam	Well use:	Domestic
Comple dat:	27-Apr-1989	Status:	PLUGGED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	from Kenneth: 1.5 mi SW		
Well depth:	220		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	F. E. Young Drilling Co., Inc.		
Well kid:	1044046781		
Site id:	KS8000000030767		

**32
SE
1/2 - 1 Mile
Higher**

KS WELLS KS8000000167732

Well id:	360136	County:	Johnson
Township:	14	Tw n dir:	S
Range:	25	Range dir:	E
Section:	22	Spot:	NE NW
Longitude:	-94.6233475		
Latitude:	38.8238926		
Long lat t:	From PLSS		
Owner:	Cox, W. O.	Well use:	(unstated)/abandoned
Comple dat:	Not Reported	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Baldwin		
Well depth:	225		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Harry Beatty		
Well kid:	1040479438		
Site id:	KS8000000167732		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

33
WSW
1/2 - 1 Mile
Higher

KS WELLS KS8000000158343

Well id:	344808	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	16	Spot:	SE SW SW
Longitude:	-94.6455008		
Latitude:	38.8264948		
Long lat t:	From PLSS		
Owner:	Storm, Bra	Well use:	Heat Pump (Closed Loop/Disposal), Geothermal
Comple dat:	27-Dec-2003	Status:	PLUGGED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	16609 Rosewood, Overland Park (six 320-foot boreholes)		
Well depth:	320		
Elev:	Not Reported	Static dep:	18
Est yield:	3		
Driller:	Evans Energy Development, Inc.		
Well kid:	1044046786		
Site id:	KS8000000158343		

34
NE
1/2 - 1 Mile
Lower

KS WELLS KS8000000197181

Well id:	411514	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	NW NE NW
Longitude:	-94.6244987		
Latitude:	38.8393271		
Long lat t:	From PLSS		
Owner:	The Willia	Well use:	Monitoring well/observation/piezometer
Comple dat:	25-Feb-2008	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Biggs Sod Farm, 3401 159th St, Overland Park		
Well depth:	12		
Elev:	Not Reported	Static dep:	8.2
Est yield:	Not Reported		
Driller:	Below Ground Surface, Inc.		
Well kid:	1040529803		
Site id:	KS8000000197181		

35
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000360099

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-KS		
Formal name:	USGS Kansas Water Science Center		
Monloc Identifier:	USGS-384906094373701		
Monloc name:	14S 25E 22BDD 01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10300101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.8183415
Longitude:	-94.6271783	Sourcemap scale:	Not Reported
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1022.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	209
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-08-01	109.00	

F36
NE
1/2 - 1 Mile
Lower

KS WELLS KS8000000183220

Well id:	388986	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	NE NE NW
Longitude:	-94.6221682		
Latitude:	38.8393311		
Long lat t:	From PLSS		
Owner:	Williams C	Well use:	Monitoring well/observation/piezometer
Comple dat:	24-Jul-2006	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	20.5		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Below Ground Surface, Inc.		
Well kid:	1040505400		
Site id:	KS8000000183220		

F37
NE
1/2 - 1 Mile
Lower

KS WELLS KS8000000183221

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	388987	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	NE NE NW
Longitude:	-94.6221682		
Latitude:	38.8393311		
Long lat t:	From PLSS		
Owner:	Williams C	Well use:	Monitoring well/observation/piezometer
Comple dat:	24-Jul-2006	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	14.25		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Below Ground Surface, Inc.		
Well kid:	1040504971		
Site id:	KS8000000183221		

F38
NE
1/2 - 1 Mile
Lower

KS WELLS KS8000000183222

Well id:	388988	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	15	Spot:	NE NE NW
Longitude:	-94.6221682		
Latitude:	38.8393311		
Long lat t:	From PLSS		
Owner:	Williams C	Well use:	Monitoring well/observation/piezometer
Comple dat:	24-Jul-2006	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	17		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Below Ground Surface, Inc.		
Well kid:	1040509407		
Site id:	KS8000000183222		

G39
NNE
1/2 - 1 Mile
Higher

KS WELLS KS8000000167729

Well id:	360097	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	10	Spot:	SW SW
Longitude:	-94.627995		
Latitude:	38.842054		
Long lat t:	From PLSS		
Owner:	White, Rob	Well use:	(unstated)/abandoned
Comple dat:	30-May-1963	Status:	PLUGGED
Other id:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dwr number:	Not Reported		
Directions:	Stillwell		
Well depth:	77		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	H. R. Swank		
Well kid:	1044046766		
Site id:	KS8000000167729		

**G40
NNE
1/2 - 1 Mile
Higher**

KS WELLS KS8000000167730

Well id:	360098	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	10	Spot:	SW SW
Longitude:	-94.627995		
Latitude:	38.842054		
Long lat t:	From PLSS		
Owner:	White, Rob	Well use:	(unstated)/abandoned
Comple dat:	30-May-1963	Status:	PLUGGED
Other id:	2		
Dwr number:	Not Reported		
Directions:	Stilwell		
Well depth:	70		
Elev:	Not Reported	Static dep:	25
Est yield:	10		
Driller:	H. R. Swank		
Well kid:	1044046765		
Site id:	KS8000000167730		

**41
NNE
1/2 - 1 Mile
Higher**

KS WELLS KS8000000196768

Well id:	410932	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	10	Spot:	SW SE SW
Longitude:	-94.624499		
Latitude:	38.8411485		
Long lat t:	From PLSS		
Owner:	The Willia	Well use:	Monitoring well/observation/piezometer
Comple dat:	11-Jan-2008	Status:	PLUGGED
Other id:	MW 8		
Dwr number:	Not Reported		
Directions:	from 159th St and Mission Rd, Overland Park: 1000' E on 159th St, N side of rd in open field		
Well depth:	22		
Elev:	Not Reported	Static dep:	13.5
Est yield:	Not Reported		
Driller:	Below Ground Surface, Inc.		
Well kid:	1044046760		
Site id:	KS8000000196768		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

42
NNE
1/2 - 1 Mile
Higher

KS WELLS KS8000000204741

Well id:	421722	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	10	Spot:	NW SW SW
Longitude:	-94.6291602		
Latitude:	38.8429634		
Long lat t:	From PLSS		
Owner:	Waters Edg	Well use:	Other
Comple dat:	07-Nov-2008	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	230		
Elev:	Not Reported	Static dep:	110
Est yield:	Not Reported		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1040549022		
Site id:	KS8000000204741		

43
SSE
1/2 - 1 Mile
Higher

KS WELLS KS8000000240970

Well id:	470477	County:	Johnson
Township:	14	Twn dir:	S
Range:	25	Range dir:	E
Section:	22	Spot:	SE NW NW SW
Longitude:	-94.627978		
Latitude:	38.816803		
Long lat t:	GPS		
Owner:	CHAPMAN, M	Well use:	Lawn and Garden - domestic only
Comple dat:	06-Jan-2013	Status:	CONSTRUCTED
Other id:	Not Reported		
Dwr number:	Not Reported		
Directions:	3245 WEST 175TH, STRTEET, STILWELL		
Well depth:	200		
Elev:	973	Static dep:	119
Est yield:	3		
Driller:	Jesse Yoakum Well Drilling		
Well kid:	1044643920		
Site id:	KS8000000240970		

44
NE
1/2 - 1 Mile
Higher

KS WELLS KS8000000196767

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	410931	County:	Johnson
Township:	14	Twon dir:	S
Range:	25	Range dir:	E
Section:	10	Spot:	SE SE SW
Longitude:	-94.6221686		
Latitude:	38.8411532		
Long lat t:	From PLSS		
Owner:	The Willia	Well use:	Monitoring well/observation/piezometer
Comple dat:	11-Jan-2008	Status:	PLUGGED
Other id:	MW 2		
Dwr number:	Not Reported		
Directions:	from 159th St and Mission Rd, Overland Park: 1000' E on 159th St, N side of rd in open field		
Well depth:	22		
Elev:	Not Reported	Static dep:	Not Reported
Est yield:	Not Reported		
Driller:	Below Ground Surface, Inc.		
Well kid:	1044046761		
Site id:	KS8000000196767		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSW
1/2 - 1 Mile

OIL_GAS KSOG11000242517

Kid:	1026598593	State code:	15
County cod:	91	Api well n:	20461
Api workov:	Not Reported	Field name:	Not Reported
Field kid:	0	Lease name:	DOUGLAS
Well name:	1	Well class:	Approved Intent to Drill
Operator n:	RICHARD DOUGLAS		
Operator k:	0	Principal :	Not Reported
Township:	14	Township d:	S
Range :	25	Range dire:	E
Section:	21	Subdivisio:	NE
Subdivis 1:	Not Reported	Subdivis 2:	Not Reported
Subdivis 3:	Not Reported	Spot:	Not Reported
Feet north:	-1000	Feet east :	3240
Reference :	NW	Rotary tot:	760
Status :	D&A	Spud date:	Not Reported
Permit dat:	28-SEP-81	Completion:	Not Reported
Api number:	15-091-20461	Plug date:	01-OCT-81
Elevation :	0	Elevation1:	0
Elevatio 1:	0		
Producing :	Not Reported		
Nad27 lati:	38.8228994		
Nad27 long:	-94.6376228		
Nad83 lati:	38.8229075		
Nad83 long:	-94.6378571		
Completi 1:	Not Reported	Well type:	D&A
Orig fid:	0	Site id:	KSOG11000242517

2
North
1/2 - 1 Mile

OIL_GAS KSOG11000248741

Kid:	1026598203	State code:	15
County cod:	91	Api well n:	20211
Api workov:	Not Reported	Field name:	Not Reported
Field kid:	0	Lease name:	KUHLMAN
Well name:	1	Well class:	Approved Intent to Drill
Operator n:	KUHLMAN DIECASTING		
Operator k:	0	Principal :	Not Reported
Township:	14	Township d:	S
Range :	25	Range dire:	E
Section:	16	Subdivisio:	NE
Subdivis 1:	NE	Subdivis 2:	Not Reported
Subdivis 3:	Not Reported	Spot:	Not Reported
Feet north:	0	Feet east :	0
Reference :	Not Reported	Rotary tot:	620
Status :	D&A	Spud date:	Not Reported
Permit dat:	Not Reported	Completion:	Not Reported
Api number:	15-091-20211	Plug date:	01-JUN-80
Elevation :	0	Elevation1:	0
Elevatio 1:	0		
Producing :	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Nad27 lati:	38.8383905		
Nad27 long:	-94.6326613		
Nad83 lati:	38.8383984		
Nad83 long:	-94.6328955		
Completi 1:	Not Reported	Well type:	D&A
Orig fid:	0	Site id:	KSOG11000248741

3

NE

1/2 - 1 Mile

OIL_GAS

KSOG11000287430

Kid:	1029100062	State code:	15
County cod:	91	Api well n:	20684
Api workov:	Not Reported	Field name:	Not Reported
Field kid:	0	Lease name:	BRIGGS
Well name:	2	Well class:	Plugged and Abandoned
Operator n:	M. L. BRIGGS		
Operator k:	0	Principal :	6
Township:	14	Township d:	S
Range :	25	Range dire:	E
Section:	15	Subdivisio:	NW
Subdivis 1:	NE	Subdivis 2:	SE
Subdivis 3:	SE	Spot:	Not Reported
Feet north:	-1220	Feet east :	2500
Reference :	NW	Rotary tot:	580
Status :	D&A	Spud date:	Not Reported
Permit dat:	Not Reported	Completion:	Not Reported
Api number:	15-091-20684	Plug date:	01-APR-82
Elevation :	0	Elevation1:	0
Elevatio 1:	0		
Producing :	Not Reported		
Nad27 lati:	38.8368893		
Nad27 long:	-94.6215472		
Nad83 lati:	38.8368973		
Nad83 long:	-94.6217811		
Completi 1:	Not Reported	Well type:	D&A
Orig fid:	0	Site id:	KSOG11000287430

4

NE

1/2 - 1 Mile

OIL_GAS

KSOG11000293232

Kid:	1029098184	State code:	15
County cod:	91	Api well n:	20683
Api workov:	Not Reported	Field name:	Not Reported
Field kid:	0	Lease name:	BRIGGS
Well name:	1	Well class:	Plugged and Abandoned
Operator n:	J. L. BRIGGS		
Operator k:	0	Principal :	6
Township:	14	Township d:	S
Range :	25	Range dire:	E
Section:	15	Subdivisio:	NW

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Subdivis 1:	NE	Subdivis 2:	NW
Subdivis 3:	NE	Spot:	Not Reported
Feet north:	-165	Feet east :	1960
Reference :	NW	Rotary tot:	600
Status :	D&A	Spud date:	Not Reported
Permit dat:	Not Reported	Completion:	Not Reported
Api number:	15-091-20683	Plug date:	01-APR-82
Elevation :	0	Elevation1:	0
Elevatio 1:	0		
Producing :	Not Reported		
Nad27 lati:	38.8397833	Well type:	D&A
Nad27 long:	-94.6234432	Site id:	KSOG11000293232
Nad83 lati:	38.8397913		
Nad83 long:	-94.6236772		
Completi 1:	Not Reported		
Orig fid:	0		

**A5
SW
1/2 - 1 Mile**

OIL_GAS KSOG11000241850

Kid:	1026598661	State code:	15
County cod:	91	Api well n:	20510
Api workov:	Not Reported	Field name:	Not Reported
Field kid:	0	Lease name:	DOUGLAS
Well name:	2	Well class:	Approved Intent to Drill
Operator n:	RICHARD DOUGLAS		
Operator k:	0	Principal :	Not Reported
Township:	14	Township d:	S
Range :	25	Range dire:	E
Section:	21	Subdivisio:	NW
Subdivis 1:	SW	Subdivis 2:	NW
Subdivis 3:	NW	Spot:	Not Reported
Feet north:	-1400	Feet east :	320
Reference :	NW	Rotary tot:	822
Status :	D&A	Spud date:	Not Reported
Permit dat:	02-NOV-81	Completion:	Not Reported
Api number:	15-091-20510	Plug date:	01-DEC-81
Elevation :	0	Elevation1:	0
Elevatio 1:	0		
Producing :	Not Reported		
Nad27 lati:	38.8217257	Well type:	D&A
Nad27 long:	-94.6478708	Site id:	KSOG11000241850
Nad83 lati:	38.8217339		
Nad83 long:	-94.6481052		
Completi 1:	Not Reported		
Orig fid:	0		

**A6
SW
1/2 - 1 Mile**

OIL_GAS KSOG11000109824

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Kid:	1006733409	State code:	15
County cod:	91	Api well n:	70360
Api workov:	Not Reported	Field name:	Stanley Area
Field kid:	0	Lease name:	HAYER INVESTMENT
Well name:	1-CT	Well class:	Plugged and Abandoned
Operator n:	BRAZOS OIL & GAS CO.	Principal :	6
Operator k:	0	Township d:	S
Township:	14	Range dire:	E
Range :	25	Subdivisio:	NW
Section:	21	Subdivis 2:	NW
Subdivis 1:	NE	Spot:	Not Reported
Subdivis 3:	Not Reported	Feet east :	330
Feet north:	-1445	Rotary tot:	550
Reference :	NW	Spud date:	Not Reported
Status :	OIL-P&A	Completion:	Not Reported
Permit dat:	Not Reported	Plug date:	01-JUN-65
Api number:	15-091-70360	Elevation1:	0
Elevation :	891		
Elevatio 1:	887		
Producing :	Not Reported	Well type:	OIL
Nad27 lati:	38.8216024	Site id:	KSOG11000109824
Nad27 long:	-94.6478354		
Nad83 lati:	38.8216106		
Nad83 long:	-94.6480699		
Completi 1:	Not Reported		
Orig fid:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: KS Radon

Radon Test Results

Zipcode	Avg Radon	Max Radon	Num Tests
66085	4.4	52.4	278

Federal EPA Radon Zone for JOHNSON 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: 66085

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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 F

EDR VAPOR ENCROACHMENT SCREEN

Kuhlman Diecasting

16400 Mission Road

Stilwell, KS 66085

Inquiry Number: 4692668.9s

August 19, 2016

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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Primary Map	2
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Aerial Photography	4
Map Findings	5
Record Sources and Currency	GR-1

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

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EXECUTIVE SUMMARY

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 the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

	Maximum Search Distance*	Summary		
		property	1/10	1/10 - 1/3
STANDARD ENVIRONMENTAL RECORDS				
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	1	0
Federal RCRA TSD facilities list	0.333	0	1	0
Federal RCRA generators list	property	0	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	1	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	property	0	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	1	0
HISTORICAL USE RECORDS				
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.125	0	1	0
Historical Dry Cleaners	0.125	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

KUHLMAN DIECASTING
16400 MISSION ROAD
STILWELL, KS 66085

COORDINATES

Latitude (North):	38.829916 - 38° 49' 47.690735"
Longitude (West):	94.633244 - 94° 37' 59.69055"
Elevation:	891 ft. above sea level

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone: Available
 NWI Wetlands: Available

AQUIFLOW®

Search Radius: 0.333 Mile.

No Aquiflow sites reported.

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: Chase
 Soil Surface Texture: silt loam
 Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
 Soil Drainage Class: Somewhat poorly drained
 Hydric Status: Partially hydric
 Corrosion Potential - Uncoated Steel: High
 Depth to Bedrock Min: > 0 inches
 Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 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

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	18 inches	42 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.3 Min: 5.6
3	42 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: 1.411 Min: 0.4233	Max: 8.4 Min: 6.1
4	9 inches	18 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 Soils.	Max: 1.411 Min: 0.4233	Max: 7.3 Min: 5.6

Soil Map ID: 2

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

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	7 inches	18 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
3	18 inches	31 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
4	31 inches	40 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
5	40 inches	53 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
6	53 inches	79 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Martin

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	9 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 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6.5 Min: 5.6

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	33 inches	59 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6
3	0 inches	9 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 Soils.	Max: 4.233 Min: 1.411	Max: 6.5 Min: 5.6
4	14 inches	33 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6

Soil Map ID: 4

Soil Component Name: Vinland

Soil Surface Texture: weathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	16 inches	20 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:
2	0 inches	3 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.8 Min: 5.6
3	3 inches	11 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.8 Min: 5.6
4	11 inches	16 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 Soils.	Max: 14.11 Min: 4.233	Max: 7.8 Min: 5.6

Soil Map ID: 5

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: > 122 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	12 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 Soils.	Max: 14.11 Min: 4.233	Max: 6.5 Min: 6.1
2	12 inches	31 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	31 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 Soils.	Max: 14.11 Min: 4.233	Max: 6.5 Min: 5.1
4	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 Soils.	Max: 14.11 Min: 4.233	Max: 6.5 Min: 6.1

Soil Map ID: 6

Soil Component Name: Oska

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 81 inches

Depth to Watertable Min: > 61 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	31 inches	35 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:
2	7 inches	16 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: 6.5 Min: 5.6
3	16 inches	31 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.3 Min: 5.6
4	0 inches	7 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 Soils.	Max: 4.233 Min: 1.411	Max: 6.5 Min: 5.6

Soil Map ID: 7

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

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.6
2	7 inches	18 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
3	18 inches	31 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
4	31 inches	40 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
5	40 inches	53 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1
6	53 inches	79 inches	silt loam	Not reported	Not reported	Max: 14.11 Min: 4.233	Max: 7.3 Min: 6.1

Soil Map ID: 8

Soil Component Name: Sogn

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 33 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	12 inches	16 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:
2	0 inches	12 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 Soils.	Max: 14.11 Min: 4.233	Max: 8.4 Min: 6.1

EXECUTIVE SUMMARY

Soil Map ID: 9

Soil Component Name: Martin

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 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: 4.233 Min: 1.411	Max: 6.5 Min: 5.6
2	9 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 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6.5 Min: 5.6
3	14 inches	33 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6
4	33 inches	59 inches	silty clay	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: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6

EXECUTIVE SUMMARY

SEARCH RESULTS

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

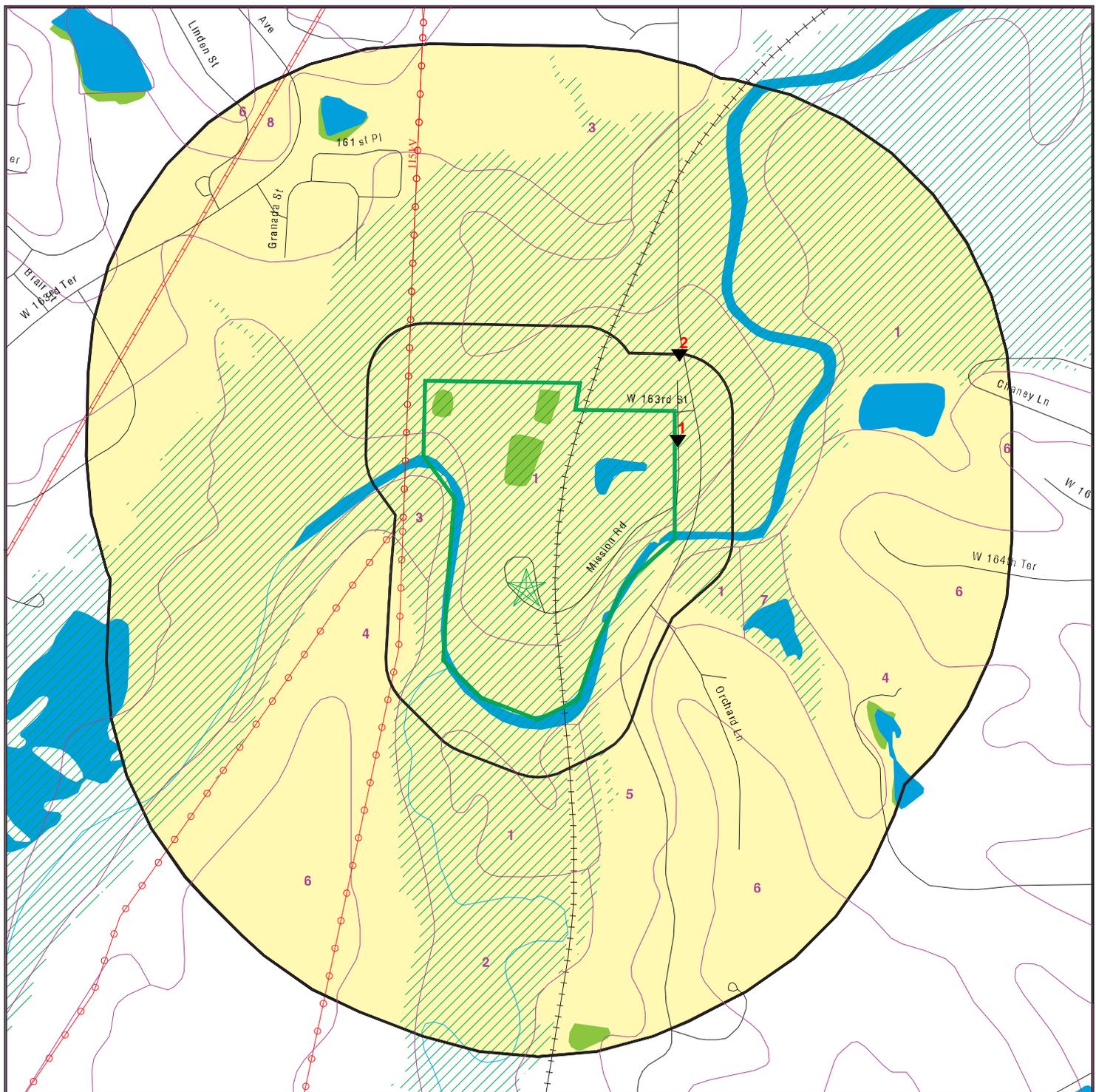
STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
KUHLMAN DIECASTING CO CORRACTS: Federal RCRA CORRACTS facilities list RCRA NonGen / NLR: Other Standard Environmental Records PRP: Other Standard Environmental Records FINDS: Other Standard Environmental Records ICIS: Other Standard Environmental Records RAATS: Other Standard Environmental Records SEMS-ARCHIVE: Other Standard Environmental Records US FIN ASSUR: Other Standard Environmental Records ECHO: Other Standard Environmental Records RCRA-TSDF: Federal RCRA TSD facilities list UST: State and tribal registered storage tank lists SHWS: State and tribal - equivalent CERCLIS	164TH MISSION RD	<1/10 NE	▼ 1	17

HISTORICAL USE RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
16200 MISSION RD EDR Hist Auto: Historical Gas Stations	16200 MISSION RD	<1/10 NNE	▼ 2	75

PRIMARY MAP - 4692668.9S

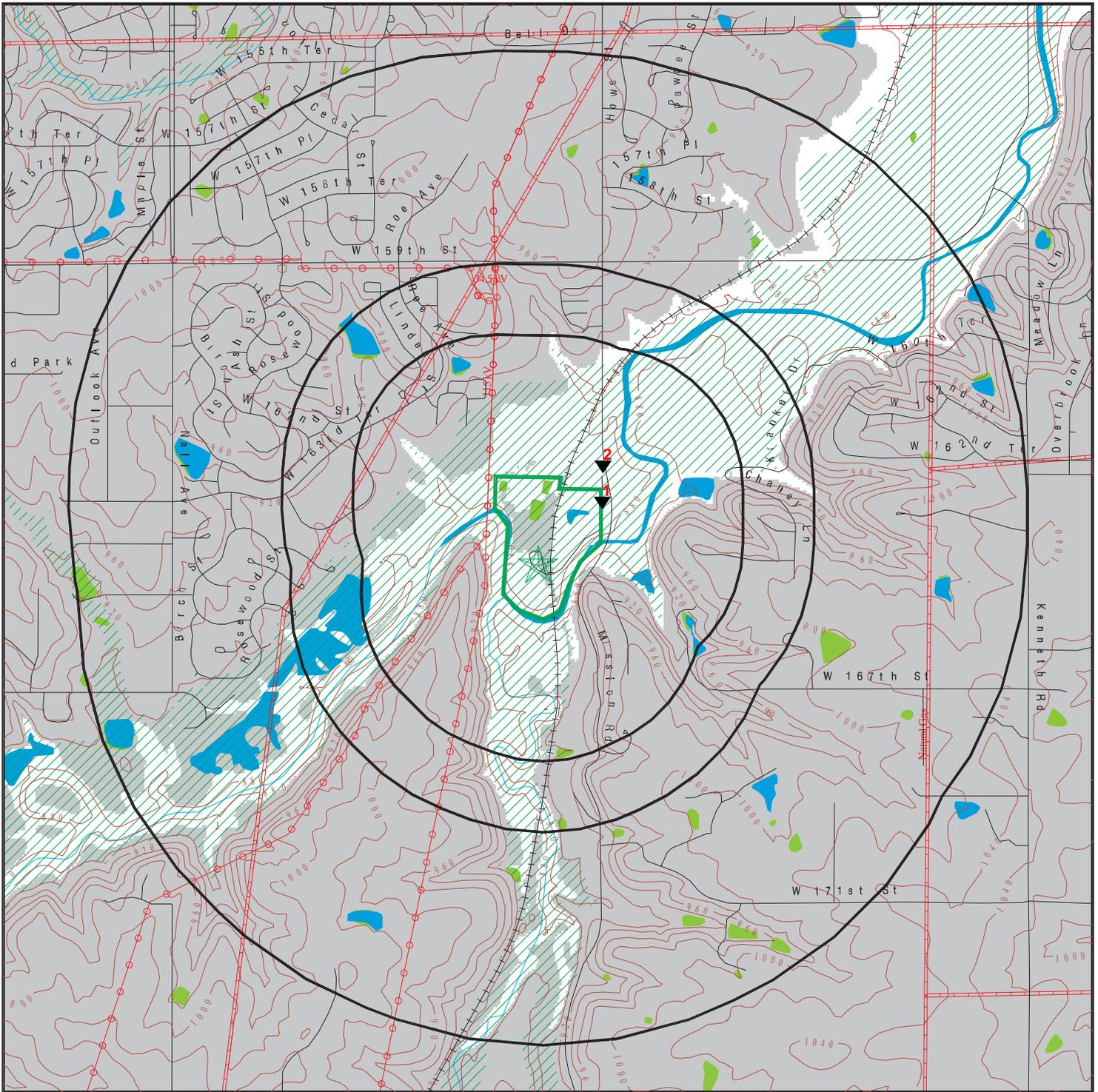


- | | | |
|---|----------------------------|--|
| Target Property | Indian Reservations BIA | Groundwater Flow Direction |
| Sites at elevations higher than or equal to the target property | Power transmission lines | Indeterminate Groundwater Flow at Location |
| Sites at elevations lower than the target property | Pipelines | Groundwater Flow Varies at Location |
| Manufactured Gas Plants | 100-year flood zone | SSURGO Soil |
| Sensitive Receptors | 500-year flood zone | Areas of Concern |
| National Priority List Sites | National Wetland Inventory | |
| Dept. Defense Sites | State Wetlands | |

SITE NAME: Kuhlman Diecasting
 ADDRESS: 16400 Mission Road
 Stilwell KS 66085
 LAT/LONG: 38.829916 / 94.633244

CLIENT: Tetra Tech EMI
 CONTACT: John Simpson
 INQUIRY #: 4692668.9s
 DATE: August 04, 2016 5:15 pm

SECONDARY MAP - 4692668.9S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Contour Lines

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern



SITE NAME: Kuhlman Diecasting
 ADDRESS: 16400 Mission Road
 Stilwell KS 66085
 LAT/LONG: 38.829916 / 94.633244

CLIENT: Tetra Tech EMI
 CONTACT: John Simpson
 INQUIRY #: 4692668.9S
 DATE: August 04, 2016 5:14 pm

AERIAL PHOTOGRAPHY - 4692668.9s



SITE NAME: Kuhlman Diecasting ADDRESS: 16400 Mission Road Stilwell KS 66085 LAT/LONG: 38.829916 / 94.633244	CLIENT: Tetra Tech EMI CONTACT: John Simpson INQUIRY #: 4692668.9s DATE: August 04, 2016 5:16 pm
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MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range (Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation Feet Above Sea Level	
Worksheet:		
Comments: Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

KUHLMAN DIECASTING CO 164TH MISSION RD, STANLEY, KS, 66223		1000289837
▼ 1	NE <1/10 (14 ft. / 0.003 mi.)	Federal RCRA CORRACTS facilities list Federal RCRA TSD facilities list State and tribal - equivalent CERCLIS State and tribal registered storage tank lists Other Standard Environmental Records
	6 ft. Lower Elevation 885 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Comments: Chemicals of concern are not likely to be present at this source.

Conditions:

Not Applicable: YES

Groundwater Flow Gradient:

Downgradient: YES

Topographically: YES

Preferential Pathway:

Fractured clay: YES

Geological Attributes - Hydraulic Barrier:

River: YES

Geological Attributes - Soil Geology:

Silty-clay, low-permeability soil: YES

CORRACTS: Federal RCRA CORRACTS facilities list



EPA ID: KSD006325013
 EPA Region: 07
 Area Name: ENTIRE FACILITY
 Actual Date: 19900110
 Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

NAICS Code(s):	Not Reported
Original schedule date:	Not Reported
Schedule end date:	Not Reported
EPA ID:	KSD006325013
EPA Region:	07
Area Name:	ENTIRE FACILITY
Actual Date:	19900110
Action:	CA772ID
NAICS Code(s):	Not Reported
Original schedule date:	Not Reported
Schedule end date:	Not Reported
EPA ID:	KSD006325013
EPA Region:	07
Area Name:	ENTIRE FACILITY
Actual Date:	19920128
Action:	CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s):	Not Reported
Original schedule date:	Not Reported
Schedule end date:	Not Reported
EPA ID:	KSD006325013
EPA Region:	07
Area Name:	ENTIRE FACILITY
Actual Date:	19880710
Action:	CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s):	Not Reported
Original schedule date:	Not Reported
Schedule end date:	Not Reported
EPA ID:	KSD006325013
EPA Region:	07
Area Name:	ENTIRE FACILITY
Actual Date:	19880710
Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s):	Not Reported
Original schedule date:	Not Reported
Schedule end date:	Not Reported
EPA ID:	KSD006325013
EPA Region:	07
Area Name:	ENTIRE FACILITY
Actual Date:	20130819
Action:	CA200 - RFI Approved
NAICS Code(s):	Not Reported
Original schedule date:	Not Reported
Schedule end date:	Not Reported

RCRA NonGen / NLR: Other Standard Environmental Records



Date form received by agency:	11/21/1991
Facility name:	KUHLMAN DIECASTING CO

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Facility address: 164TH & MISSION
STANLEY, KS 66223

EPA ID: KSD006325013

Mailing address: PO BOX 23218
STANLEY, KS 66223

Contact: Not Reported

Contact address: Not Reported

Contact country: Not Reported

Contact telephone: Not Reported

Contact email: Not Reported

EPA Region: 07

Land type: Private

Classification: TSDf

Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KUHLMAN DIECASTING CO

Owner/operator address: PO BOX 23218
STANLEY, KS 66223

Owner/operator country: Not Reported

Owner/operator telephone: (913) 681-2351

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not Reported

Owner/Op end date: Not Reported

Owner/operator name: DAVID KUHLMAN

Owner/operator address: PO BOX 23218
STANLEY, KS 66223

Owner/operator country: Not Reported

Owner/operator telephone: (913) 681-2351

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not Reported

Owner/Op end date: Not Reported

Handler accessibility indicator: Transferred to the program or state equivalent.

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

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 10/26/1990
Site name: KUHLMAN DIECASTING CO
Classification: Not a generator, verified

Date form received by agency: 04/01/1990
Site name: KUHLMAN DIECASTING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: KUHLMAN DIECASTING CO
Classification: Unverified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F005
. Waste name: 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.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Corrective Action Summary:

Event date: 07/10/1988
Event: RFA Completed, Assessment was an RFA.

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Event date:	07/10/1988
Event:	RFA Determination Of Need For An RFI, RFI is Necessary;
Event date:	01/10/1990
Event:	CA772ID
Event date:	01/10/1990
Event:	CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event date:	01/28/1992
Event:	CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event date:	08/19/2013
Event:	RFI Approved

Facility Has Received Notices of Violations:

Regulation violated:	Not Reported
Area of violation:	TSD IS-Financial Requirements
Date violation determined:	07/02/2014
Date achieved compliance:	Not Reported
Violation lead agency:	EPA
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported

Regulation violated:	FR - 264.147
Area of violation:	TSD - Financial Requirements
Date violation determined:	11/01/1993
Date achieved compliance:	11/01/1993
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	11/01/1993
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:	FR - 264.144 & 145
Area of violation:	TSD - Financial Requirements
Date violation determined:	11/01/1993
Date achieved compliance:	11/01/1993
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	11/01/1993
Enf. disposition status:	Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

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:	TSD - Financial Requirements
Date violation determined:	10/04/1990
Date achieved compliance:	08/07/1991
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	10/04/1990
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:	TSD - Financial Requirements
Date violation determined:	08/10/1990
Date achieved compliance:	08/07/1991
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/10/1990
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:	TSD - Financial Requirements
Date violation determined:	06/07/1990
Date achieved compliance:	08/07/1991
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	06/07/1990
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:	TSD - General
Date violation determined:	02/01/1989
Date achieved compliance:	03/24/1989

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 02/15/1989
 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: LDR - General
 Date violation determined: 02/01/1989
 Date achieved compliance: 03/24/1989

Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 02/15/1989
 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: TSD - General
 Date violation determined: 01/19/1988
 Date achieved compliance: 02/24/1988

Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 02/03/1988
 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: TSD - General
 Date violation determined: 01/19/1988
 Date achieved compliance: 02/24/1988

Violation lead agency: State
 Enforcement action: Not Reported
 Enforcement action date: Not Reported
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: Not Reported
 Proposed penalty amount: Not Reported
 Final penalty amount: Not Reported
 Paid penalty amount: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Regulation violated: FR - 40 CFR 265.143 & KAR 28-31-8
 Area of violation: TSD - Financial Requirements
 Date violation determined: 10/01/1986
 Date achieved compliance: 11/01/1993
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 10/27/1988
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: Not Reported
 Final penalty amount: 27000
 Paid penalty amount: 27304

Regulation violated: FR - 40 CFR 265.147 & KAR 28-31-8
 Area of violation: TSD - Financial Requirements
 Date violation determined: 10/01/1986
 Date achieved compliance: 11/01/1993
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 10/27/1988
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: Not Reported
 Final penalty amount: 27000
 Paid penalty amount: 27304

Regulation violated: FR - 40 CFR 265.147 & KAR 28-31-8
 Area of violation: TSD - Financial Requirements
 Date violation determined: 10/01/1986
 Date achieved compliance: 11/01/1993
 Violation lead agency: EPA
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 12/28/1987
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 43450
 Final penalty amount: Not Reported
 Paid penalty amount: Not Reported

Regulation violated: FR - 40 CFR 265.91(a)(1), 265.92,
 Area of violation: TSD IS-Ground-Water Monitoring
 Date violation determined: 10/01/1986
 Date achieved compliance: 11/01/1993
 Violation lead agency: EPA
 Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement action date: 10/27/1988
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	27000
Paid penalty amount:	27304
Regulation violated:	FR - 40 CFR 265.91(a)(1), 265.92,
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	12/28/1987
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	43450
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.143 & KAR 28-31-8
Area of violation:	TSD - Financial Requirements
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	12/28/1987
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	43450
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 122/23(b)(1)
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 265.173 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 262.11 & KAR 28-31-4
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.173 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 262.11 & KAR 28-31-4
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 265.17 & KAR 28-31-8

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 122/23(b)(1)
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.17 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 265.90 & KAR 28-31-8
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 261.31
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 122/23(b)(2)
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.90 & KAR 28-31-8
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR PART 122
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 261.31
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 122/23(b)(2)
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR PART 122
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500

Evaluation Action Summary:

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Evaluation date:	04/13/2015
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD IS-Financial Requirements
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA Contractor/Grantee
Evaluation date:	04/17/2014
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD IS-Financial Requirements
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA Contractor/Grantee
Evaluation date:	11/01/1993
Evaluation:	NOT A SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	06/23/1993
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	11/01/1993
Evaluation lead agency:	State
Evaluation date:	02/27/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	10/04/1990
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	08/07/1991
Evaluation lead agency:	State
Evaluation date:	08/10/1990
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	08/07/1991
Evaluation lead agency:	State
Evaluation date:	06/07/1990
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	08/07/1991
Evaluation lead agency:	State
Evaluation date:	04/23/1990
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Evaluation date:	11/20/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	03/24/1989
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	02/01/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	03/24/1989
Evaluation lead agency:	State
Evaluation date:	02/01/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	03/24/1989
Evaluation lead agency:	State
Evaluation date:	02/24/1988
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	01/19/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	02/24/1988
Evaluation lead agency:	State
Evaluation date:	10/01/1986
Evaluation:	GROUNDWATER MONITORING EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	11/01/1993
Evaluation lead agency:	EPA
Evaluation date:	10/01/1986
Evaluation:	GROUNDWATER MONITORING EVALUATION
Area of violation:	TSD IS-Ground-Water Monitoring
Date achieved compliance:	11/01/1993
Evaluation lead agency:	EPA
Evaluation date:	04/11/1984
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Evaluation date: 08/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not Reported
Date achieved compliance: Not Reported
Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 08/19/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 05/06/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

Evaluation date: 05/06/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/22/1984
Evaluation lead agency: EPA

PRP: Other Standard Environmental Records



PRP name: KUHLMAN DIECASTING COMPANY

FINDS: Other Standard Environmental Records



Registry ID: 110002075646

Environmental Interest/Information System:

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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.

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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.

AIR MINOR

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ICIS: Other Standard Environmental Records



Enforcement Action ID:	07-1991-0086
FRS ID:	110002075646
Program ID:	RCRAINFO KSD006325013
Action Name:	KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address:	164TH & MISSION ROAD STANLEY KS 66223
State:	Kansas
Facility Name:	KUHLMAN DIECASTING CO.
Facility Address:	164TH & MISSION ROAD STANLEY, KS 66223
Enforcement Action Type:	Bankruptcy
Facility County:	JOHNSON
EPA Region #:	7
Enforcement Action ID:	07-1991-0086
FRS ID:	110002075646
Program ID:	NCDB I07#19891107KS002 1
Action Name:	KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
Full Address:	164TH & MISSION ROAD STANLEY KS 66223
State:	Kansas
Facility Name:	KUHLMAN DIECASTING CO.
Facility Address:	164TH & MISSION ROAD STANLEY, KS 66223
Enforcement Action Type:	Bankruptcy
Facility County:	JOHNSON
EPA Region #:	7

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Enforcement Action ID: 07-1991-0086
 FRS ID: 110002075646
 Program ID: KS-FP 50010688
 Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: Bankruptcy
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1991-0086
 FRS ID: 110002075646
 Program ID: KS-FP 1361063
 Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: Bankruptcy
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1991-0086
 FRS ID: 110002075646
 Program ID: FRS 110002075646
 Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: Bankruptcy
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1991-0086
 FRS ID: 110002075646
 Program ID: TRIS 66223KHLMN164TH
 Action Name: KUHLMAN DIECASTING COMPANY (BANKRUPTCY ACTION)
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: Bankruptcy
 Facility County: JOHNSON

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

EPA Region #: 7

Enforcement Action ID: 07-1986-0115
 FRS ID: 110002075646
 Program ID: RCRAINFO KSD006325013
 Action Name: KUHLMAN DIECASTING COMPANY
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1986-0115
 FRS ID: 110002075646
 Program ID: NCDB I07#19891107KS002 1
 Action Name: KUHLMAN DIECASTING COMPANY
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1986-0115
 FRS ID: 110002075646
 Program ID: KS-FP 50010688
 Action Name: KUHLMAN DIECASTING COMPANY
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1986-0115
 FRS ID: 110002075646
 Program ID: KS-FP 1361063
 Action Name: KUHLMAN DIECASTING COMPANY
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Facility County: JOHNSON
 EPA Region #: 7
 Enforcement Action ID: 07-1986-0115
 FRS ID: 110002075646
 Program ID: FRS 110002075646
 Action Name: KUHLMAN DIECASTING COMPANY
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
 Facility County: JOHNSON
 EPA Region #: 7

Enforcement Action ID: 07-1986-0115
 FRS ID: 110002075646
 Program ID: TRIS 66223KHLMN164TH
 Action Name: KUHLMAN DIECASTING COMPANY
 Full Address: 164TH & MISSION ROAD STANLEY KS 66223
 State: Kansas
 Facility Name: KUHLMAN DIECASTING CO.
 Facility Address: 164TH & MISSION ROAD
 STANLEY, KS 66223

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
 Facility County: JOHNSON
 EPA Region #: 7

Program ID: FRS 110002075646
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3369

Program ID: FRS 110002075646
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3544

Program ID: KS-FP 1361063
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

SIC Code:	3369
Program ID:	KS-FP 1361063
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544
Program ID:	KS-FP 50010688
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3369
Program ID:	KS-FP 50010688
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544
Program ID:	NCDB I07#19891107KS002 1
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3369
Program ID:	NCDB I07#19891107KS002 1
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544
Program ID:	RCRAINFO KSD006325013
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3369
Program ID:	RCRAINFO KSD006325013
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544
Program ID:	TRIS 66223KHLMN164TH
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3369
Program ID:	TRIS 66223KHLMN164TH
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544
Program ID:	FRS 110002075646
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3369
Program ID:	FRS 110002075646
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544
Program ID:	KS-FP 1361063
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3369
Program ID:	KS-FP 1361063
Facility Name:	KUHLMAN DIECASTING CO.
Address:	164TH & MISSION ROAD
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	3544

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Program ID: KS-FP 50010688
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3369

Program ID: KS-FP 50010688
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3544

Program ID: NCDB I07#19891107KS002 1
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3369

Program ID: NCDB I07#19891107KS002 1
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3544

Program ID: RCRAINFO KSD006325013
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3369

Program ID: RCRAINFO KSD006325013
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3544

Program ID: TRIS 66223KHLMN164TH
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

NAIC Code: Not Reported
 SIC Code: 3369
 Program ID: TRIS 66223KHLMN164TH
 Facility Name: KUHLMAN DIECASTING CO.
 Address: 164TH & MISSION ROAD
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not Reported
 SIC Code: 3544

RAATS: Other Standard Environmental Records



Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 1 3010(A)
 Total No Cited: Not Reported
 Reg Type: Federal
 Prop. Penalty: 2,500.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 2 3005
 Total No Cited: Not Reported
 Reg Type: Federal
 Prop. Penalty: 2,500.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 3 122.23(B)(1)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 2,500.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00

Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 4 122.23(B)(2)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 5,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00

Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 5 262.11
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 1,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 6 265.17
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 1,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 7 265.173
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 1,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 8 265.90
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 10,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 1 3010(A)
 Total No Cited: Not Reported
 Reg Type: Federal
 Prop. Penalty: 2,500.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Violation No: Not Reported
 Viol No Cited: 2 3005
 Total No Cited: Not Reported
 Reg Type: Federal
 Prop. Penalty: 2,500.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 3 122.23(B)(1)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 2,500.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 4 122.23(B)(2)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 5,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 5 262.11
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 1,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 6 265.17
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 1,000.00
 Final Penalty: 8,500.00
 Total Prop. Penalty: 25,500.00
 Comments: COMPLAINT WENT TO INITIAL DECISION.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 83-H-004
 Region: 07
 Issue Date: 11/07/1983
 Final Date: 01/06/1983
 Status: ALJ Decision
 Additional: Not Reported
 Action ID: 1178
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 7 265.173

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Total No Cited:	Not Reported
Reg Type:	CFR
Prop. Penalty:	1,000.00
Final Penalty:	8,500.00
Total Prop. Penalty:	25,500.00
Comments:	COMPLAINT WENT TO INITIAL DECISION.
Entry No:	1
Facility ID:	KSD006325013
Type:	Not Reported
Docket No:	83-H-004
Region:	07
Issue Date:	11/07/1983
Final Date:	01/06/1983
Status:	ALJ Decision
Additional:	Not Reported
Action ID:	1178
Action:	3008 (A)
Violation No:	Not Reported
Viol No Cited:	8 265.90
Total No Cited:	Not Reported
Reg Type:	CFR
Prop. Penalty:	10,000.00
Final Penalty:	8,500.00
Total Prop. Penalty:	25,500.00
Comments:	COMPLAINT WENT TO INITIAL DECISION.
Entry No:	1
Facility ID:	KSD006325013
Type:	Not Reported
Docket No:	88-H-0003
Region:	07
Issue Date:	10/19/1988
Final Date:	12/23/1987
Status:	Consent Agreement/Final Order
Additional:	Not Reported
Action ID:	1173
Action:	3008 (A)
Violation No:	Not Reported
Viol No Cited:	1 265.91(A)(1)
Total No Cited:	Not Reported
Reg Type:	CFR
Prop. Penalty:	38,950.00
Final Penalty:	27,000.00
Total Prop. Penalty:	43,450.00
Comments:	PAYMENT OF PENALTY TO BE INSTALLMENTS.
Entry No:	1
Facility ID:	KSD006325013
Type:	Not Reported
Docket No:	88-H-0003

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 2 265.92
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: *
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE INSTALLMENTS.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 3 265.93(D)(4)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: *
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE INSTALLMENTS.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 4 265.93(I)
 Total No Cited: Not Reported
 Reg Type: CFR

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Prop. Penalty: *

Final Penalty: 27,000.00

Total Prop. Penalty: 43,450.00

Comments: PAYMENT OF PENALTY TO BE INSTALLMENTS.

Entry No: 1

Facility ID: KSD006325013

Type: Not Reported

Docket No: 88-H-0003

Region: 07

Issue Date: 10/19/1988

Final Date: 12/23/1987

Status: Consent Agreement/Final Order

Additional: Not Reported

Action ID: 1173

Action: 3008 (A)

Violation No: Not Reported

Viol No Cited: 5 265.147

Total No Cited: Not Reported

Reg Type: CFR

Prop. Penalty: 2,250.00

Final Penalty: 27,000.00

Total Prop. Penalty: 43,450.00

Comments: PAYMENT OF PENALTY TO BE INSTALLMENTS.

Entry No: 1

Facility ID: KSD006325013

Type: Not Reported

Docket No: 88-H-0003

Region: 07

Issue Date: 10/19/1988

Final Date: 12/23/1987

Status: Consent Agreement/Final Order

Additional: Not Reported

Action ID: 1173

Action: 3008 (A)

Violation No: Not Reported

Viol No Cited: 6 265.143

Total No Cited: Not Reported

Reg Type: CFR

Prop. Penalty: 2,250.00

Final Penalty: 27,000.00

Total Prop. Penalty: 43,450.00

Comments: PAYMENT OF PENALTY TO BE INSTALLMENTS.

Entry No: 1

Facility ID: KSD006325013

Type: Not Reported

Docket No: 88-H-0003

Region: 07

Issue Date: 10/19/1988

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 4 265.93(I)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: *
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE IN INSTALLMENTS.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 5 265.147
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 2,250.00
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE IN INSTALLMENTS.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 6 265.143
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 2,250.00
 Final Penalty: 27,000.00

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE IN INSTALLMENTS.
 Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 1 265.91(A)(1)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: 38,950.00
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE IN INSTALLMENTS.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order
 Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 2 265.92
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: *
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE IN INSTALLMENTS.

Entry No: 1
 Facility ID: KSD006325013
 Type: Not Reported
 Docket No: 88-H-0003
 Region: 07
 Issue Date: 10/19/1988
 Final Date: 12/23/1987
 Status: Consent Agreement/Final Order

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Additional: Not Reported
 Action ID: 1173
 Action: 3008 (A)
 Violation No: Not Reported
 Viol No Cited: 3 265.93(D)(4)
 Total No Cited: Not Reported
 Reg Type: CFR
 Prop. Penalty: *
 Final Penalty: 27,000.00
 Total Prop. Penalty: 43,450.00
 Comments: PAYMENT OF PENALTY TO BE IN INSTALLMENTS.

SEMS-ARCHIVE: Other Standard Environmental Records



Site ID: 702466
 EPA ID: KSD006325013
 Federal Facility: N
 NPL: Not on the NPL
 Non NPL Status: Referred to Removal - NFRAP

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0702466
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: Referred to Removal - NFRAP

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13001109.00000
 Person ID: 7271674.00000

CERCLIS-NFRAP Assessment History:

Action: REMOVAL
 Date Started: 10/09/96
 Date Completed: 01/10/97
 Priority Level: Cleaned up

Action: PRELIMINARY ASSESSMENT
 Date Started: 04/06/95
 Date Completed: 01/08/96
 Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
 Date Started: 04/06/95
 Date Completed: 01/08/96
 Priority Level: Referred to Removal, no further Rmdl Asmt

Action: REMOVAL ASSESSMENT
 Date Started: 03/24/94
 Date Completed: 10/05/95
 Priority Level: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Action:	Public Notice Published
Date Started:	/ /
Date Completed:	03/09/92
Priority Level:	Not Reported
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	04/23/91
Priority Level:	Not Reported
Action:	Notice Letters Issued
Date Started:	/ /
Date Completed:	04/25/91
Priority Level:	Not Reported
Action:	NEGOTIATION (GENERIC)
Date Started:	04/25/91
Date Completed:	06/26/91
Priority Level:	Not Reported
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	06/26/91
Priority Level:	Not Reported
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	06/26/07
Priority Level:	Not Reported
Action:	ADMINISTRATIVE RECORDS
Date Started:	03/06/92
Date Completed:	06/26/07
Priority Level:	Admin Record Compiled for a Removal Event
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started:	06/26/91
Date Completed:	06/28/91
Priority Level:	Cleaned up
Action:	REMOVAL
Date Started:	07/15/91
Date Completed:	06/30/92
Priority Level:	Cleaned up
Action:	REMOVAL ASSESSMENT
Date Started:	04/23/91
Date Completed:	07/08/91
Priority Level:	Not Reported

US FIN ASSUR: Other Standard Environmental Records



EPA ID:	KSD006325075
Provider:	BMO HARRIS BANK N.A.

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

EPA region:	7
County:	JOHNSON
Mechanism type:	TRUST FUND (FULLY FUNDED)
Mechanism ID:	43-A303-01-5
Cost estimate:	260000
Face value:	24099.139999999999
Effective date:	9/1/2006
EPA ID:	KSD006325013
Provider:	BMO HARRIS BANK N.A.
EPA region:	7
County:	JOHNSON
Mechanism type:	TRUST FUND (FULLY FUNDED)
Mechanism ID:	43-A303-01-5
Cost estimate:	268000
Face value:	24545.75
Effective date:	12/31/2007
EPA ID:	KSD006325013
Provider:	BMO HARRIS BANK N.A.
EPA region:	7
County:	JOHNSON
Mechanism type:	TRUST FUND (FULLY FUNDED)
Mechanism ID:	43-A303-01-5
Cost estimate:	276000
Face value:	23710.23
Effective date:	12/31/2008
EPA ID:	KSD006325013
Provider:	BMO HARRIS BANK N.A.
EPA region:	7
County:	JOHNSON
Mechanism type:	TRUST FUND (FULLY FUNDED)
Mechanism ID:	43-A303-01-5
Cost estimate:	282000
Face value:	22049.73
Effective date:	12/31/2009
EPA ID:	KSD006325013
Provider:	BMO HARRIS BANK N.A.
EPA region:	7
County:	JOHNSON
Mechanism type:	TRUST FUND (FULLY FUNDED)
Mechanism ID:	43-A303-01-5
Cost estimate:	285000
Face value:	20897.779999999999
Effective date:	12/31/2010
EPA ID:	KSD006325013
Provider:	BMO HARRIS BANK N.A.
EPA region:	7
County:	JOHNSON

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Mechanism type: TRUST FUND (FULLY FUNDED)
 Mechanism ID: 43-A303-01-5
 Cost estimate: 290700
 Face value: 19731.09
 Effective date: 12/31/2011

EPA ID: KSD006325013
 Provider: BMO HARRIS BANK N.A.
 EPA region: 7
 County: JOHNSON

Mechanism type: TRUST FUND (FULLY FUNDED)
 Mechanism ID: 43-A303-01-5
 Cost estimate: 295800
 Face value: 18569.889999999999
 Effective date: 12/31/2012

EPA ID: KSD006325013
 Provider: BMO HARRIS BANK N.A.
 EPA region: 7
 County: JOHNSON

Mechanism type: TRUST FUND (FULLY FUNDED)
 Mechanism ID: 43-A303-01-5
 Cost estimate: 303260
 Face value: 17378.369999999999
 Effective date: 12/31/2013

EPA ID: KSD006325013
 Provider: BMO HARRIS BANK N.A.
 EPA region: 7
 County: JOHNSON

Mechanism type: TRUST FUND (FULLY FUNDED)
 Mechanism ID: 43-A303-01-5
 Cost estimate: 308083
 Face value: 16180
 Effective date: 12/31/2014

ECHO: Other Standard Environmental Records



Envid: 1000289837
 Registry ID: 110002075646
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002075646

RCRA-TSDF: Federal RCRA TSD facilities list



Date form received by agency: 11/21/1991
 Facility name: KUHLMAN DIECASTING CO
 Facility address: 164TH & MISSION
 STANLEY, KS 66223

EPA ID: KSD006325013
 Mailing address: PO BOX 23218
 STANLEY, KS 66223

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Contact:	Not Reported
Contact address:	Not Reported
Contact country:	Not Reported
Contact telephone:	Not Reported
Contact email:	Not Reported
EPA Region:	07
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KUHLMAN DIECASTING CO
Owner/operator address:	PO BOX 23218 STANLEY, KS 66223

Owner/operator country:	Not Reported
Owner/operator telephone:	(913) 681-2351
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not Reported
Owner/Op end date:	Not Reported

Owner/operator name:	DAVID KUHLMAN
Owner/operator address:	PO BOX 23218 STANLEY, KS 66223

Owner/operator country:	Not Reported
Owner/operator telephone:	(913) 681-2351
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not Reported
Owner/Op end date:	Not Reported

Handler accessibility indicator:	Transferred to the program or state equivalent.
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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

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Used oil transporter: No
 . Waste code: D001
 . Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 10/26/1990
 Site name: KUHLMAN DIECASTING CO
 Classification: Not a generator, verified

Date form received by agency: 04/01/1990
 Site name: KUHLMAN DIECASTING COMPANY
 Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
 Site name: KUHLMAN DIECASTING CO
 Classification: Unverified

. Waste code: D001
 . Waste name: IGNITABLE WASTE

. Waste code: D002
 . Waste name: CORROSIVE WASTE

. Waste code: D007
 . Waste name: CHROMIUM

. Waste code: F005
 . Waste name: 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.

. Waste code: F006
 . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F008
 . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Corrective Action Summary:

Event date: 07/10/1988
 Event: RFA Completed, Assessment was an RFA.
 Event date: 07/10/1988
 Event: RFA Determination Of Need For An RFI, RFI is Necessary;
 Event date: 01/10/1990
 Event: CA772ID
 Event date: 01/10/1990

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.

Event date: 01/28/1992

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 08/19/2013

Event: RFI Approved

Facility Has Received Notices of Violations:

Regulation violated: Not Reported

Area of violation: TSD IS-Financial Requirements

Date violation determined: 07/02/2014

Date achieved compliance: Not Reported

Violation lead agency: EPA

Enforcement action: Not Reported

Enforcement action date: Not Reported

Enf. disposition status: Not Reported

Enf. disp. status date: Not Reported

Enforcement lead agency: Not Reported

Proposed penalty amount: Not Reported

Final penalty amount: Not Reported

Paid penalty amount: Not Reported

Regulation violated: FR - 264.147

Area of violation: TSD - Financial Requirements

Date violation determined: 11/01/1993

Date achieved compliance: 11/01/1993

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/01/1993

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: FR - 264.144 & 145

Area of violation: TSD - Financial Requirements

Date violation determined: 11/01/1993

Date achieved compliance: 11/01/1993

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/01/1993

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

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Regulation violated: Not Reported
 Area of violation: TSD - Financial Requirements
 Date violation determined: 10/04/1990
 Date achieved compliance: 08/07/1991
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 10/04/1990
 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: TSD - Financial Requirements
 Date violation determined: 08/10/1990
 Date achieved compliance: 08/07/1991
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 08/10/1990
 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: TSD - Financial Requirements
 Date violation determined: 06/07/1990
 Date achieved compliance: 08/07/1991
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 06/07/1990
 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: TSD - General
 Date violation determined: 02/01/1989
 Date achieved compliance: 03/24/1989
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 02/15/1989
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

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:	LDR - General
Date violation determined:	02/01/1989
Date achieved compliance:	03/24/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/15/1989
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:	TSD - General
Date violation determined:	01/19/1988
Date achieved compliance:	02/24/1988
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/03/1988
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:	TSD - General
Date violation determined:	01/19/1988
Date achieved compliance:	02/24/1988
Violation lead agency:	State
Enforcement action:	Not Reported
Enforcement action date:	Not Reported
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	Not Reported
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.143 & KAR 28-31-8
Area of violation:	TSD - Financial Requirements
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	10/27/1988
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	27000
Paid penalty amount:	27304
Regulation violated:	FR - 40 CFR 265.147 & KAR 28-31-8
Area of violation:	TSD - Financial Requirements
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	10/27/1988
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	27000
Paid penalty amount:	27304
Regulation violated:	FR - 40 CFR 265.147 & KAR 28-31-8
Area of violation:	TSD - Financial Requirements
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	12/28/1987
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	43450
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.91(a)(1), 265.92,
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	10/27/1988
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	27000
Paid penalty amount:	27304
Regulation violated:	FR - 40 CFR 265.91(a)(1), 265.92,

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	12/28/1987
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	43450
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.143 & KAR 28-31-8
Area of violation:	TSD - Financial Requirements
Date violation determined:	10/01/1986
Date achieved compliance:	11/01/1993
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	12/28/1987
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	43450
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 122/23(b)(1)
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 265.173 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 262.11 & KAR 28-31-4
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.173 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 262.11 & KAR 28-31-4
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 265.17 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 122/23(b)(1)
Area of violation:	Generators - General
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 265.17 & KAR 28-31-8
Area of violation:	TSD - General Facility Standards
Date violation determined:	08/19/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR 265.90 & KAR 28-31-8
Area of violation:	TSD IS-Ground-Water Monitoring
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 261.31
Area of violation:	Generators - General

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Date violation determined: 05/06/1982
 Date achieved compliance: 02/22/1984
 Violation lead agency: EPA
 Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
 Enforcement action date: 11/10/1983
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: Not Reported
 Final penalty amount: 8500
 Paid penalty amount: 8500

Regulation violated: FR - 40 CFR 122/23(b)(2)
 Area of violation: Generators - General
 Date violation determined: 05/06/1982
 Date achieved compliance: 02/22/1984
 Violation lead agency: EPA
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 01/11/1982
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 25500
 Final penalty amount: Not Reported
 Paid penalty amount: Not Reported

Regulation violated: FR - 40 CFR 265.90 & KAR 28-31-8
 Area of violation: TSD IS-Ground-Water Monitoring
 Date violation determined: 05/06/1982
 Date achieved compliance: 02/22/1984
 Violation lead agency: EPA
 Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
 Enforcement action date: 11/10/1983
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: Not Reported
 Final penalty amount: 8500
 Paid penalty amount: 8500

Regulation violated: FR - 40 CFR PART 122
 Area of violation: Generators - General
 Date violation determined: 05/06/1982
 Date achieved compliance: 02/22/1984
 Violation lead agency: EPA
 Enforcement action: INITIAL 3008(A) COMPLIANCE
 Enforcement action date: 01/11/1982
 Enf. disposition status: Not Reported
 Enf. disp. status date: Not Reported
 Enforcement lead agency: EPA
 Proposed penalty amount: 25500

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 261.31
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/11/1982
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	25500
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	FR - 40 CFR 122/23(b)(2)
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500
Regulation violated:	FR - 40 CFR PART 122
Area of violation:	Generators - General
Date violation determined:	05/06/1982
Date achieved compliance:	02/22/1984
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date:	11/10/1983
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	8500
Paid penalty amount:	8500

Evaluation Action Summary:

Evaluation date:	04/13/2015
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD IS-Financial Requirements
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA Contractor/Grantee

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Evaluation date:	04/17/2014
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD IS-Financial Requirements
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA Contractor/Grantee
Evaluation date:	11/01/1993
Evaluation:	NOT A SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	06/23/1993
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	11/01/1993
Evaluation lead agency:	State
Evaluation date:	02/27/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	10/04/1990
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	08/07/1991
Evaluation lead agency:	State
Evaluation date:	08/10/1990
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	08/07/1991
Evaluation lead agency:	State
Evaluation date:	06/07/1990
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	08/07/1991
Evaluation lead agency:	State
Evaluation date:	04/23/1990
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	11/20/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Evaluation date:	03/24/1989
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	02/01/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	03/24/1989
Evaluation lead agency:	State
Evaluation date:	02/01/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	03/24/1989
Evaluation lead agency:	State
Evaluation date:	02/24/1988
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State
Evaluation date:	01/19/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	02/24/1988
Evaluation lead agency:	State
Evaluation date:	10/01/1986
Evaluation:	GROUNDWATER MONITORING EVALUATION
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	11/01/1993
Evaluation lead agency:	EPA
Evaluation date:	10/01/1986
Evaluation:	GROUNDWATER MONITORING EVALUATION
Area of violation:	TSD IS-Ground-Water Monitoring
Date achieved compliance:	11/01/1993
Evaluation lead agency:	EPA
Evaluation date:	04/11/1984
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	08/19/1982
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	02/22/1984
Evaluation lead agency:	EPA

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Evaluation date:	08/19/1982
Evaluation:	SIGNIFICANT NON-COMPLIER
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	08/19/1982
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/22/1984
Evaluation lead agency:	EPA
Evaluation date:	08/19/1982
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD IS-Ground-Water Monitoring
Date achieved compliance:	02/22/1984
Evaluation lead agency:	EPA
Evaluation date:	05/06/1982
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD IS-Ground-Water Monitoring
Date achieved compliance:	02/22/1984
Evaluation lead agency:	EPA
Evaluation date:	05/06/1982
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	02/22/1984
Evaluation lead agency:	EPA

UST: State and tribal registered storage tank lists



Facility ID:	23647
Facility 911 Address:	164TH AND MISSION ROAD
Facility 911 City, State, Zip:	STANLEY, KS 66223
Facility Phone:	913-681-2351
Phone 24 Hours:	913-681-2351
Facility District:	NE
Facility Location Method:	Not Reported
Facility Feature:	Not Reported
Facility Datum:	Not Reported
Facility Lat/Long:	/
Owner ID:	23647
Owner:	KUHLMAN DIECASTING CO
Owner Type:	Private Or Corp.
Owner/Rep Name:	Duane Kiewitt
Owner/Rep Title:	Chemical Engr
Owner Address:	164TH & MISSION RD PO BOX 2321
Owner City, State, Zip:	STANLEY, KS 66223
Owner County:	JOHNSON
Contact:	Duane Kiewitt
Contact Title:	Chemical Engineer

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Tank ID: 001
 Tank Type: Underground
Tank Status: Permanently Out Of Use
 Total Capacity (Gals): 550
 Hazards: Not Reported
 Petroleum Substance: Empty
 NonPetroleum Substance: Not Reported
 Estimated Yr In Service: 1963
 Date Removed: Not Reported
 Last Permit Printed: Not Reported
 Current Permit Printed: Not Reported
 QTY Remaining in Tank: Not Reported
 Filled/Removed: Removed
 Tank Empty: Not Reported
 Out of Service Mo/Yr: Not Reported
 Material of Construction: Steel
 Piping: Unknown
 Tank Internal Protection: Unknown
 Tank External Protection: Unknown

Tank ID: 002
 Tank Type: Underground
Tank Status: Permanently Out Of Use
 Total Capacity (Gals): 111
 Hazards: Not Reported
 Petroleum Substance: Empty
 NonPetroleum Substance: Not Reported
 Estimated Yr In Service: 1949
 Date Removed: 8/3/1998
 Last Permit Printed: Not Reported
 Current Permit Printed: Not Reported
 QTY Remaining in Tank: 0
 Filled/Removed: Removed
 Tank Empty: Not Reported
 Out of Service Mo/Yr: Not Reported
 Material of Construction: Steel
 Piping: Unknown
 Tank Internal Protection: Unknown
 Tank External Protection: Unknown

Tank ID: 003
 Tank Type: Underground
Tank Status: Permanently Out Of Use
 Total Capacity (Gals): 111
 Hazards: Not Reported
 Petroleum Substance: Empty
 NonPetroleum Substance: Not Reported
 Estimated Yr In Service: 1949
 Date Removed: 8/3/1998
 Last Permit Printed: Not Reported

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Current Permit Printed: Not Reported
 QTY Remaining in Tank: 0
 Filled/Removed: Removed
 Tank Empty: Not Reported
 Out of Service Mo/Yr: Not Reported
 Material of Construction: Steel
 Piping: Unknown
 Tank Internal Protection: Unknown
 Tank External Protection: Unknown

Tank ID: 004
 Tank Type: Underground
Tank Status: Permanently Out Of Use
 Total Capacity (Gals): 400
 Hazards: Not Reported
 Petroleum Substance: Empty
 NonPetroleum Substance: Not Reported
 Estimated Yr In Service: 1949
 Date Removed: Not Reported
 Last Permit Printed: Not Reported
 Current Permit Printed: Not Reported
 QTY Remaining in Tank: Not Reported
 Filled/Removed: Removed
 Tank Empty: Not Reported
 Out of Service Mo/Yr: Not Reported
 Material of Construction: Steel
 Piping: Unknown
 Tank Internal Protection: Unknown
 Tank External Protection: Unknown

SHWS: State and tribal - equivalent CERCLIS



Site ID: 892
 Has Env Use Control: No
 Project code: C404600030
 PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
 District Office: NEDO
 Lat/Long: 38.83103 / -94.63333
 River Basin: Missouri
 Aquifer Yield: Alluvial
 Other Aquifers: Not Reported
 Parent PC: Not Reported
 Parent Name: Not Reported
 CERCLIS ID: KSD006325013
 Discovery Date: 04/19/1991
 Depth To GW: 0-10 feet
 Depth To Bedrock: 0-10 feet
 Aquifer Yield: 0-10 gpm
 GW Flow Direction: S-SE

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Acres Affected: 26-500 acres
Waste Present: No
Product Present: No
Program: Management Assistance (CERCLA Lead)
Lead Agency: BER - Assessment and Restoration
Contaminants: Heavy Metal
Media Act: Ground Water, Soil
Media Pot: Surface Water
Source: Lagoon/Impoundment
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: Off-Site Disposal
Remed Water: Not Reported
Remedir: Not Reported
Alias: Not Reported
Eucan Number: Not Reported
Date: Not Reported
Activity Type: Transfer Out of Bureau
Activity Status: Completed
Activity Start Date: Not Reported
Activity End Date: 06/28/2004
Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

Site ID: 892
Has Env Use Control: No
Project code: C404600030
PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
District Office: NEDO
Lat/Long: 38.83103 / -94.63333
River Basin: Missouri
Aquifer Yield: Alluvial
Other Aquifers: Not Reported
Parent PC: Not Reported
Parent Name: Not Reported
CERCLIS ID: KSD006325013
Discovery Date: 04/19/1991
Depth To GW: 0-10 feet
Depth To Bedrock: 0-10 feet
Aquifer Yield: 0-10 gpm
GW Flow Direction: S-SE
Acres Affected: 26-500 acres
Waste Present: No
Product Present: No

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Program: Management Assistance (CERCLA Lead)
 Lead Agency: BER - Assessment and Restoration
 Contaminants: Heavy Metal
 Media Act: Ground Water, Soil
 Media Pot: Surface Water
 Source: Lagoon/Impoundment
 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: Off-Site Disposal
 Remed Water: Not Reported
 Remedir: Not Reported
 Alias: Not Reported
 Eucan Number: Not Reported
 Date: Not Reported
 Activity Type: Removal Action Memorandum
 Activity Status: Completed
 Activity Start Date: Not Reported
 Activity End Date: 09/12/1996
 Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

Site ID: 892
 Has Env Use Control: No
 Project code: C404600030
 PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
 District Office: NEDO
 Lat/Long: 38.83103 / -94.63333
 River Basin: Missouri
 Aquifer Yield: Alluvial
 Other Aquifers: Not Reported
 Parent PC: Not Reported
 Parent Name: Not Reported
 CERCLIS ID: KSD006325013
 Discovery Date: 04/19/1991
 Depth To GW: 0-10 feet
 Depth To Bedrock: 0-10 feet
 Aquifer Yield: 0-10 gpm
 GW Flow Direction: S-SE
 Acres Affected: 26-500 acres
 Waste Present: No
 Product Present: No
 Program: Management Assistance (CERCLA Lead)
 Lead Agency: BER - Assessment and Restoration
 Contaminants: Heavy Metal

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

Media Act: Ground Water, Soil
 Media Pot: Surface Water
 Source: Lagoon/Impoundment
 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: Off-Site Disposal
 Remed Water: Not Reported
 Remedir: Not Reported
 Alias: Not Reported
 Eucan Number: Not Reported
 Date: Not Reported
 Activity Type: Preliminary Assessment (PA)
 Activity Status: Completed
 Activity Start Date: Not Reported
 Activity End Date: 10/05/1995
 Narrative: Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

Site ID: 892
 Has Env Use Control: No
 Project code: C404600030
 PM Name: CARLSON, R.
Site Status: Transferred out of the bureau
 District Office: NEDO
 Lat/Long: 38.83103 / -94.63333
 River Basin: Missouri
 Aquifer Yield: Alluvial
 Other Aquifers: Not Reported
 Parent PC: Not Reported
 Parent Name: Not Reported
 CERCLIS ID: KSD006325013
 Discovery Date: 04/19/1991
 Depth To GW: 0-10 feet
 Depth To Bedrock: 0-10 feet
 Aquifer Yield: 0-10 gpm
 GW Flow Direction: S-SE
 Acres Affected: 26-500 acres
 Waste Present: No
 Product Present: No
 Program: Management Assistance (CERCLA Lead)
 Lead Agency: BER - Assessment and Restoration
 Contaminants: Heavy Metal
 Media Act: Ground Water, Soil
 Media Pot: Surface Water
 Source: Lagoon/Impoundment

MAP FINDINGS

KUHLMAN DIECASTING CO, 164TH MISSION RD, STANLEY, KS 66223 (Continued)

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:	Off-Site Disposal
Remed Water:	Not Reported
Remedir:	Not Reported
Alias:	Not Reported
Eucan Number:	Not Reported
Date:	Not Reported
Activity Type:	Removal Action Report
Activity Status:	Completed
Activity Start Date:	06/22/1991
Activity End Date:	07/01/1991
Narrative:	Former electroplating facility. Further assessment of the site being handled by EPA RCRA and KDHE/Bureau of Waste Management programs.

MAP FINDINGS

16200 MISSION RD 16200 MISSION RD, STILWELL, KS, 66085			1015256641
▼ 2	NNE <1/10	(300 ft. / 0.057 mi.)	Historical Gas Stations
	7 ft. Lower Elevation	884 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist
Comments: Chemicals of concern are not likely to be present at this source.
Conditions:

Not Applicable: YES

EDR Historical Auto Stations: Historical Gas Stations

- Name: CARSTAR AUTOMOTIVE INCORPORATED KANSAS CITY
- Year: 1999
- Address: 16200 MISSION RD

- Name: CARSTAR AUTOMOTIVE INCORPORATED
- Year: 2000
- Address: 16200 MISSION RD

- Name: CARSTAR AUTOMOTIVE INC
- Year: 2001
- Address: 16200 MISSION RD

- Name: CARSTAR AUTOMOTIVE INC
- Year: 2002
- Address: 16200 MISSION RD

- Name: FIRST TEAM CARSTAR COLLISION
- Year: 2003
- Address: 16200 MISSION RD

RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate 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

PRP: Potentially Responsible Parties

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013

Source: EPA

Number of Days to Update: 3

Telephone: 202-564-6023

Last EDR Contact :05/12/2016

RMP: Risk Management Plans

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 08/01/2015

Source: Environmental Protection Agency

Number of Days to Update: 69

Telephone: 202-564-8600

Last EDR Contact :07/25/2016

AIRS: Title V Source Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of title V sources, including emissions information.

Date of Government Version: 12/31/2014

Source: Department of Health & Environment

Number of Days to Update: 43

Telephone: 785-296-6427

Last EDR Contact :06/24/2016

AST: Aboveground Storage Tank Data

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 07/08/2016

Source: Department of Health and Environment

Number of Days to Update: 7

Telephone: 785-296-1685

Last EDR Contact :06/28/2016

BROWNFIELDS: Identified Sites List

Standard Environmental Record Source: State and tribal Brownfields sites

RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

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

Date of Government Version: 07/11/2016

Source: Department of Health & Environment

Number of Days to Update: 3

Telephone: 785-296-8049

Last EDR Contact :07/07/2016

CDL: Clandestine Laboratory Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Clandestine meth lab location

Date of Government Version: 09/29/2009

Source: Department of Health and Environment

Number of Days to Update: 18

Telephone: 785-368-7301

Last EDR Contact :05/16/2016

CITY DUMPS: City Dump Listing

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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: 06/15/2016

Source: Department of Health & Environment

Number of Days to Update: 33

Telephone: 785-296-6377

Last EDR Contact :06/09/2016

COAL ASH: Coal Ash Disposal Site Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A listing of coal combustion waste landfills.

Date of Government Version: 05/19/2016

Source: Department of Health & Environment

Number of Days to Update: 47

Telephone: 785-296-1600

Last EDR Contact :07/15/2016

DRYCLEANERS: Registered Drycleaning Facilities

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

A listing of registered drycleaners.

Date of Government Version: 06/01/2016

Source: Department of Health & Environment

Number of Days to Update: 46

Telephone: 785-291-3250

Last EDR Contact :05/26/2016

Financial Assurance: Financial Assurance Information Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

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: 07/08/2016

Source: Department of Health & Environment

Number of Days to Update: 7

Telephone: 785-296-1685

Last EDR Contact :06/28/2016

INST CONTROL: Institutional Controls Information

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

Search Distance: Property

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

Date of Government Version: 07/11/2016

Source: Department of Health & Environment

Number of Days to Update: 8

Telephone: 785-296-8049

Last EDR Contact :07/07/2016

LAST: Leaking Aboveground Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

Leaking aboveground storage tank site locations.

Date of Government Version: 07/08/2016

Source: Department of Health & Environment

Number of Days to Update: 7

Telephone: 785-296-1685

Last EDR Contact :06/28/2016

LUST: Leaking Underground Storage Tank Data

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

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: 07/08/2016

Source: Department of Health and Environment

Number of Days to Update: 7

Telephone: 785-296-1685

Last EDR Contact :06/28/2016

NPDES: Wastewater Permit Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of facilities with wastewater permits.

Date of Government Version: 06/07/2016

Source: Department of Health & Environment

Number of Days to Update: 40

Telephone: 785-296-5517

Last EDR Contact :06/07/2016

SHWS: Identified Sites List

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

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: 07/11/2016

Source: Department of Health and Environment

Number of Days to Update: 3

Telephone: 785-296-1660

Last EDR Contact :07/07/2016

SPILLS: Kansas Spills Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 07/11/2016

Source: Department of Health and Environment

Number of Days to Update: 6

Telephone: 785-296-1660

Last EDR Contact :07/08/2016

SPILLS 2: Spills Database

Standard Environmental Record Source: Other Standard Environmental Records

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

Date of Government Version: 01/11/2016

Source: Kansas Corporation Commission

Number of Days to Update: 57

Telephone: 316-337-6626

Last EDR Contact :07/08/2016

SWF/LF: Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector in Kansas

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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: 04/21/2016

Source: Department of Health and Environment

Number of Days to Update: 54

Telephone: 785-296-1590

Last EDR Contact :07/15/2016

TIER 2: Tier 2 Information Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 12/31/2015

Source: Department of Health & Environment

Number of Days to Update: 21

Telephone: 785-296-1688

Last EDR Contact :06/16/2016

UIC: Underground Injection Wells Database Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of underground injection wells.

Date of Government Version: 05/02/2016

Source: Department of Health & Environment

RECORD SOURCES AND CURRENCY

Number of Days to Update: 36
Last EDR Contact :07/25/2016

Telephone: 785-296-1367

UST: Underground Storage Tank Data

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/08/2016
Number of Days to Update: 7
Last EDR Contact :06/28/2016

Source: Department of Health and Environment
Telephone: 785-296-1685

VCP: Identified Sites List

Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

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

Date of Government Version: 07/11/2016
Number of Days to Update: 3
Last EDR Contact :07/07/2016

Source: Department of Health & Environment
Telephone: 785-296-8049

2020 COR ACTION: 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

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: 04/22/2013
Number of Days to Update: 6
Last EDR Contact :05/12/2016

Source: Environmental Protection Agency
Telephone: 703-308-4044

COAL ASH DOE: Steam-Electric Plant Operation Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Number of Days to Update: 76
Last EDR Contact :06/09/2016

Source: Department of Energy
Telephone: 202-586-8719

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

Last EDR Contact :06/10/2016

CONSENT: Superfund (CERCLA) Consent Decrees

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014

Source: Department of Justice, Consent Decree Library

Number of Days to Update: 46

Telephone: Varies

Last EDR Contact :07/15/2016

CORRACTS: Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list

Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015

Source: EPA

Number of Days to Update: 34

Telephone: 800-424-9346

Last EDR Contact :06/30/2016

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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

Number of Days to Update: 137

Telephone: 415-947-4219

Last EDR Contact :07/20/2016

DOT OPS: Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012

Source: Department of Transportation, Office of Pipeline Safety

Number of Days to Update: 42

Telephone: 202-366-4595

Last EDR Contact :08/02/2016

Delisted NPL: National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: Not Reported

Last EDR Contact :07/07/2016

ECHO: Enforcement & Compliance History Information

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 09/20/2015 Source: Environmental Protection Agency
Number of Days to Update: 103 Telephone: 202-564-2280
Last EDR Contact :06/22/2016

EPA WATCH LIST: EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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 Source: Environmental Protection Agency
Number of Days to Update: 88 Telephone: 617-520-3000
Last EDR Contact :05/09/2016

ERNS: Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list
Search Distance: Property

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

Date of Government Version: 03/28/2016 Source: National Response Center, United States Coast Guard
Number of Days to Update: 51 Telephone: 202-267-2180
Last EDR Contact :06/28/2016

FEMA UST: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Source: FEMA
Number of Days to Update: 55 Telephone: 202-646-5797
Last EDR Contact :07/07/2016

FINDS: Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 07/20/2015 Source: EPA
Number of Days to Update: 55 Telephone: Not Reported

RECORD SOURCES AND CURRENCY

Last EDR Contact :06/08/2016

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :05/20/2016

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009

Source: EPA

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :05/20/2016

FUDS: Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 01/31/2015

Source: U.S. Army Corps of Engineers

Number of Days to Update: 97

Telephone: 202-528-4285

Last EDR Contact :06/10/2016

FUELS PROGRAM: EPA Fuels Program Registered Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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.

Date of Government Version: 05/24/2016

Source: EPA

Number of Days to Update: 49

Telephone: 800-385-6164

Last EDR Contact :05/25/2016

FUSRAP: Formerly Utilized Sites Remedial Action Program

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/11/2016

Source: Department of Energy

Number of Days to Update: 80

Telephone: 202-586-3559

Last EDR Contact :07/26/2016

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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
Number of Days to Update: 40 Telephone: 202-564-2501
Last EDR Contact :12/17/2007

HMIRS: Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 06/24/2015 Source: U.S. Department of Transportation
Number of Days to Update: 68 Telephone: 202-366-4555
Last EDR Contact :06/28/2016

ICIS: Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Source: Environmental Protection Agency
Number of Days to Update: 31 Telephone: 202-564-5088
Last EDR Contact :07/07/2016

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015 Source: EPA Region 1
Number of Days to Update: 67 Telephone: 617-918-1313
Last EDR Contact :07/29/2016

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016 Source: EPA Region 10
Number of Days to Update: 41 Telephone: 206-553-2857
Last EDR Contact :07/27/2016

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Florida, Mississippi and North Carolina.

RECORD SOURCES AND CURRENCY

Date of Government Version: 02/05/2016
Number of Days to Update: 35
Last EDR Contact :07/26/2016

Source: EPA Region 4
Telephone: 404-562-8677

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Number of Days to Update: 37
Last EDR Contact :07/27/2016

Source: EPA, Region 5
Telephone: 312-886-7439

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Number of Days to Update: 105
Last EDR Contact :07/27/2016

Source: EPA Region 6
Telephone: 214-665-6597

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Number of Days to Update: 112
Last EDR Contact :07/27/2016

Source: EPA Region 7
Telephone: 913-551-7003

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Number of Days to Update: 118
Last EDR Contact :07/27/2016

Source: EPA Region 8
Telephone: 303-312-6271

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Number of Days to Update: 37
Last EDR Contact :07/27/2016

Source: Environmental Protection Agency
Telephone: 415-972-3372

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Number of Days to Update: 52
Last EDR Contact :04/27/2016

Source: Environmental Protection Agency
Telephone: 703-308-8245

RECORD SOURCES AND CURRENCY

INDIAN UST R1: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

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: 10/20/2015

Source: EPA, Region 1

Number of Days to Update: 67

Telephone: 617-918-1313

Last EDR Contact :07/29/2016

INDIAN UST R10: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 01/07/2016

Source: EPA Region 10

Number of Days to Update: 41

Telephone: 206-553-2857

Last EDR Contact :07/27/2016

INDIAN UST R4: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 02/05/2016

Source: EPA Region 4

Number of Days to Update: 35

Telephone: 404-562-9424

Last EDR Contact :07/26/2016

INDIAN UST R5: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 11/05/2015

Source: EPA Region 5

Number of Days to Update: 52

Telephone: 312-886-6136

Last EDR Contact :07/27/2016

INDIAN UST R6: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 12/03/2015

Source: EPA Region 6

Number of Days to Update: 120

Telephone: 214-665-7591

Last EDR Contact :07/27/2016

INDIAN UST R7: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 09/23/2014

Source: EPA Region 7

Number of Days to Update: 65

Telephone: 913-551-7003

RECORD SOURCES AND CURRENCY

Last EDR Contact :07/27/2016

INDIAN UST R8: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 01/26/2016

Source: EPA Region 8

Number of Days to Update: 119

Telephone: 303-312-6137

Last EDR Contact :07/27/2016

INDIAN UST R9: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 02/25/2016

Source: EPA Region 9

Number of Days to Update: 37

Telephone: 415-972-3368

Last EDR Contact :07/27/2016

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: Property

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

Date of Government Version: 07/27/2015

Source: EPA, Region 1

Number of Days to Update: 142

Telephone: 617-918-1102

Last EDR Contact :07/01/2016

INDIAN VCP R7: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

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

Number of Days to Update: 27

Telephone: 913-551-7365

Last EDR Contact :04/20/2009

LEAD SMELTER 1: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-603-8787

Last EDR Contact :07/08/2016

LEAD SMELTER 2: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001

Source: American Journal of Public Health

Number of Days to Update: 36

Telephone: 703-305-6451

RECORD SOURCES AND CURRENCY

Last EDR Contact :12/02/2009

LIENS 2: CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS

Search Distance: Property

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: 02/18/2014

Source: Environmental Protection Agency

Number of Days to Update: 37

Telephone: 202-564-6023

Last EDR Contact :07/29/2016

LUCIS: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

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

Date of Government Version: 05/28/2015

Source: Department of the Navy

Number of Days to Update: 13

Telephone: 843-820-7326

Last EDR Contact :05/16/2016

MLTS: Material Licensing Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016

Source: Nuclear Regulatory Commission

Number of Days to Update: 28

Telephone: 301-415-7169

Last EDR Contact :05/06/2016

NPL: National Priority List

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: Not Reported

Last EDR Contact :07/07/2016

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

RECORD SOURCES AND CURRENCY

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

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

Source: EPA

Number of Days to Update: 56

Telephone: 202-564-4267

Last EDR Contact :08/15/2011

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Number of Days to Update: 39

Telephone: 800-424-9346

Last EDR Contact :06/09/2004

PADS: PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014

Source: EPA

Number of Days to Update: 33

Telephone: 202-566-0500

Last EDR Contact :07/15/2016

PCB TRANSFORMER: PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

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

Date of Government Version: 02/01/2011

Source: Environmental Protection Agency

Number of Days to Update: 83

Telephone: 202-566-0517

Last EDR Contact :07/29/2016

Proposed NPL: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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 their requirements for listing.

Date of Government Version: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: Not Reported

Last EDR Contact :07/07/2016

RAATS: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Source: EPA

Number of Days to Update: 35

Telephone: 202-564-4104

Last EDR Contact :06/02/2008

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/07/2015

Source: Environmental Protection Agency

Number of Days to Update: 69

Telephone: 202-343-9775

Last EDR Contact :07/07/2016

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

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :06/30/2016

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

RECORD SOURCES AND CURRENCY

Search Distance: Property

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :06/30/2016

RCRA-LQG: RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :06/30/2016

RCRA-SQG: RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :06/30/2016

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :06/30/2016

ROD: Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

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: 11/25/2013

Source: EPA

Number of Days to Update: 74

Telephone: 703-416-0223

Last EDR Contact :06/07/2016

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/07/2011

Source: Environmental Protection Agency

Number of Days to Update: 54

Telephone: 615-532-8599

Last EDR Contact :05/20/2016

SEMS: Superfund Enterprise Management System

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

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 known 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: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: 800-424-9346

Last EDR Contact :07/22/2016

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: 800-424-9346

Last EDR Contact :07/22/2016

SSTS: Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

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

Source: EPA

Number of Days to Update: 77

Telephone: 202-564-4203

Last EDR Contact :07/25/2016

TRIS: Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/31/2014

Source: EPA

Number of Days to Update: 133

Telephone: 202-566-0250

Last EDR Contact :05/24/2016

TSCA: Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/31/2012

Source: EPA

Number of Days to Update: 14

Telephone: 202-260-5521

Last EDR Contact :06/24/2016

UMTRA: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 09/14/2010

Source: Department of Energy

Number of Days to Update: 146

Telephone: 505-845-0011

Last EDR Contact :05/23/2016

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015

Source: EPA

Number of Days to Update: 69

Telephone: 202-564-2496

Last EDR Contact :06/22/2016

US AIRS MINOR: Air Facility System Data

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Other Standard Environmental Records
A listing of minor source facilities.

Date of Government Version: 10/20/2015

Source: EPA

Number of Days to Update: 69

Telephone: 202-564-2496

Last EDR Contact :06/22/2016

US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/21/2016

Source: Environmental Protection Agency

Number of Days to Update: 113

Telephone: 202-566-2777

Last EDR Contact :06/22/2016

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 05/04/2016

Source: Drug Enforcement Administration

Number of Days to Update: 40

Telephone: 202-307-1000

Last EDR Contact :05/31/2016

US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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: 09/10/2015

Source: Environmental Protection Agency

Number of Days to Update: 53

Telephone: 703-603-0695

Last EDR Contact :05/25/2016

US FIN ASSUR: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 09/01/2015

Source: Environmental Protection Agency

Number of Days to Update: 61

Telephone: 202-566-1917

RECORD SOURCES AND CURRENCY

Last EDR Contact :05/18/2016

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 05/04/2016

Source: Drug Enforcement Administration

Number of Days to Update: 40

Telephone: 202-307-1000

Last EDR Contact :05/31/2016

US INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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: 09/10/2015

Source: Environmental Protection Agency

Number of Days to Update: 53

Telephone: 703-603-0695

Last EDR Contact :05/25/2016

US MINES: Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016

Source: Department of Labor, Mine Safety and Health Administration

Number of Days to Update: 44

Telephone: 303-231-5959

Last EDR Contact :06/02/2016

AOCONCERN: Area of Concern

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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 contaminants of concern are chlorinated solvents and their degradation products.

Date of Government Version: Not Reported

Source: Department of Environmental Health

Number of Days to Update: 64

Telephone: 315-268-8351

Last EDR Contact :03/13/2007

DOD: Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Source: USGS

Number of Days to Update: 62

Telephone: 888-275-8747

RECORD SOURCES AND CURRENCY

Last EDR Contact :07/15/2016

INDIAN RESERV: Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005

Source: USGS

Number of Days to Update: 34

Telephone: 202-208-3710

Last EDR Contact :07/15/2016

PWS: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013

Source: EPA

Number of Days to Update: 279

Telephone: Not Reported

Last EDR Contact :05/31/2016

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

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: Not Reported

Source: Department of Health and Environment

Number of Days to Update: 186

Telephone: Not Reported

Last EDR Contact :06/01/2012

RGA LF: Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

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: Not Reported

Source: Department of Health and Environment

Number of Days to Update: 203

Telephone: Not Reported

Last EDR Contact :06/01/2012

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

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: Not Reported

Source: Department of Health and Environment

Number of Days to Update: 186

Telephone: Not Reported

Last EDR Contact :06/01/2012

EDR Hist Auto: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.125 Mile

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: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

Search Distance: 0.125 Mile

RECORD SOURCES AND CURRENCY

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: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

EDR MGP: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

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: 08/28/2009

Source: EDR, Inc.

Number of Days to Update: 55

Telephone: Not Reported

Last EDR Contact :11/30/2012

RECORD SOURCES AND CURRENCY

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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] 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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services. 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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

STREET AND ADDRESS INFORMATION

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APPENDIX G
HISTORICAL USE DOCUMENTATION

APPENDIX G-1

HISTORICAL SANBORN MAP SEARCH



Kuhlman Diecasting

16400 Mission Road

Stilwell, KS 66085

Inquiry Number: 4692668.3

August 04, 2016

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

08/04/16

Site Name:

Kuhlman Diecasting
16400 Mission Road
Stilwell, KS 66085
EDR Inquiry # 4692668.3

Client Name:

Tetra Tech EMI
415 Oak Street
Kansas City, MO 64106
Contact: John Simpson



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Tetra Tech EMI 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 # 0EA7-4A66-BA07
PO # NA
Project 103X9025140002.019023

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.



Sanborn® Library search results

Certification #: 0EA7-4A66-BA07

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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APPENDIX G-2
HISTORICAL AERIAL PHOTOGRAPHS



Kuhlman Diecasting

16400 Mission Road

Stilwell, KS 66085

Inquiry Number: 4692668.12

August 08, 2016

The EDR Aerial Photo Decade Package



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

Site Name:

Kuhlman Diecasting
 16400 Mission Road
 Stilwell, KS 66085
 EDR Inquiry # 4692668.12

Client Name:

Tetra Tech EMI
 415 Oak Street
 Kansas City, MO 64106
 Contact: John Simpson



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: February 13, 2002	USGS/DOQQ
1996	1"=750'	Flight Date: February 19, 1996	USGS
1991	1"=750'	Flight Date: September 23, 1991	USGS
1986	1"=500'	Flight Date: June 13, 1986	USGS
1982	1"=500'	Flight Date: May 07, 1982	USDA
1979	1"=500'	Flight Date: August 07, 1979	USDA
1975	1"=500'	Flight Date: September 23, 1975	USDA
1966	1"=500'	Flight Date: September 24, 1966	USDA
1959	1"=500'	Flight Date: August 11, 1959	USDA
1955	1"=750'	Flight Date: May 18, 1955	USGS
1948	1"=500'	Flight Date: September 11, 1948	USGS
1941	1"=500'	Flight Date: October 07, 1941	USDA
1937	1"=500'	Flight Date: October 02, 1937	USDA

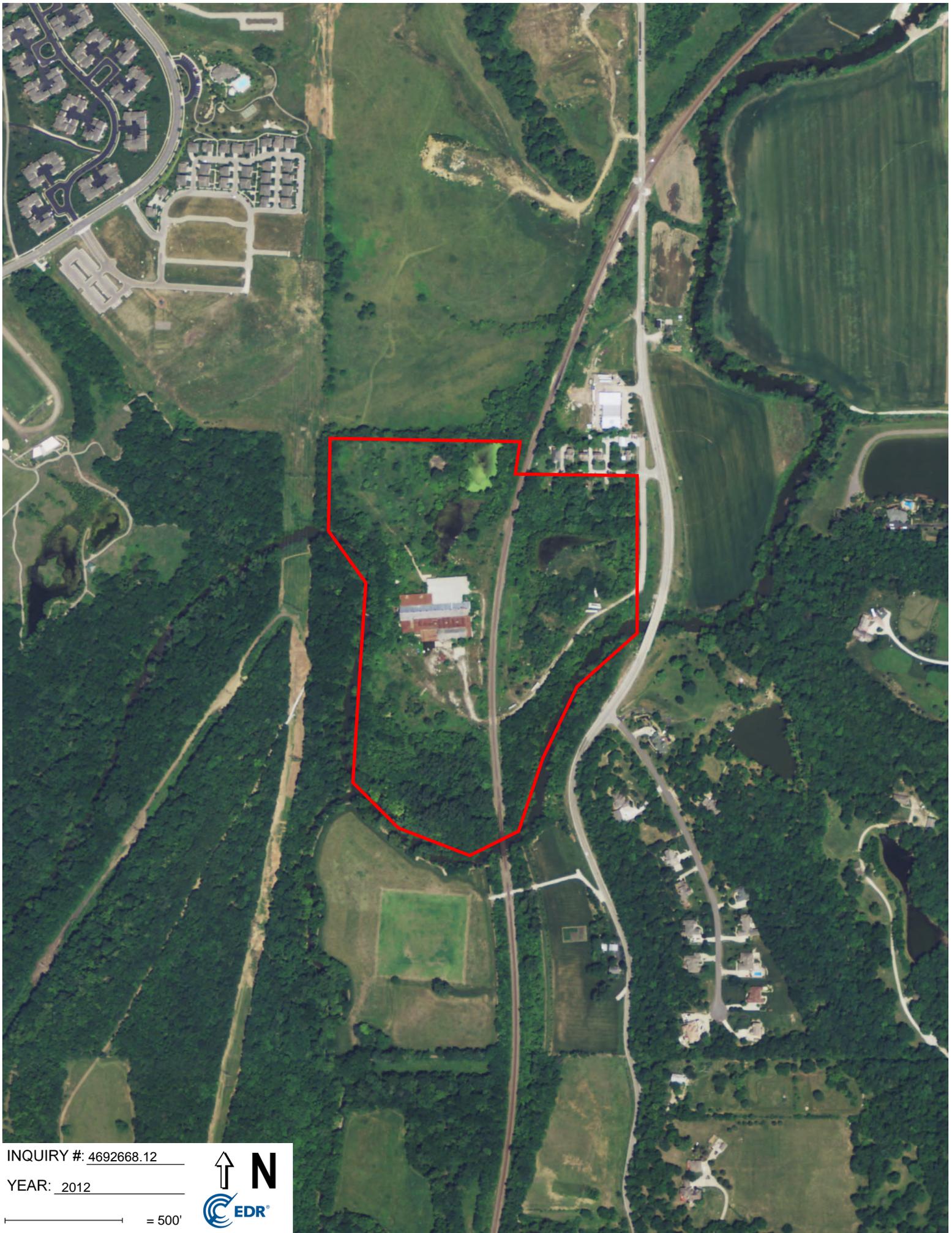
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 4692668.12

YEAR: 2012

— = 500'



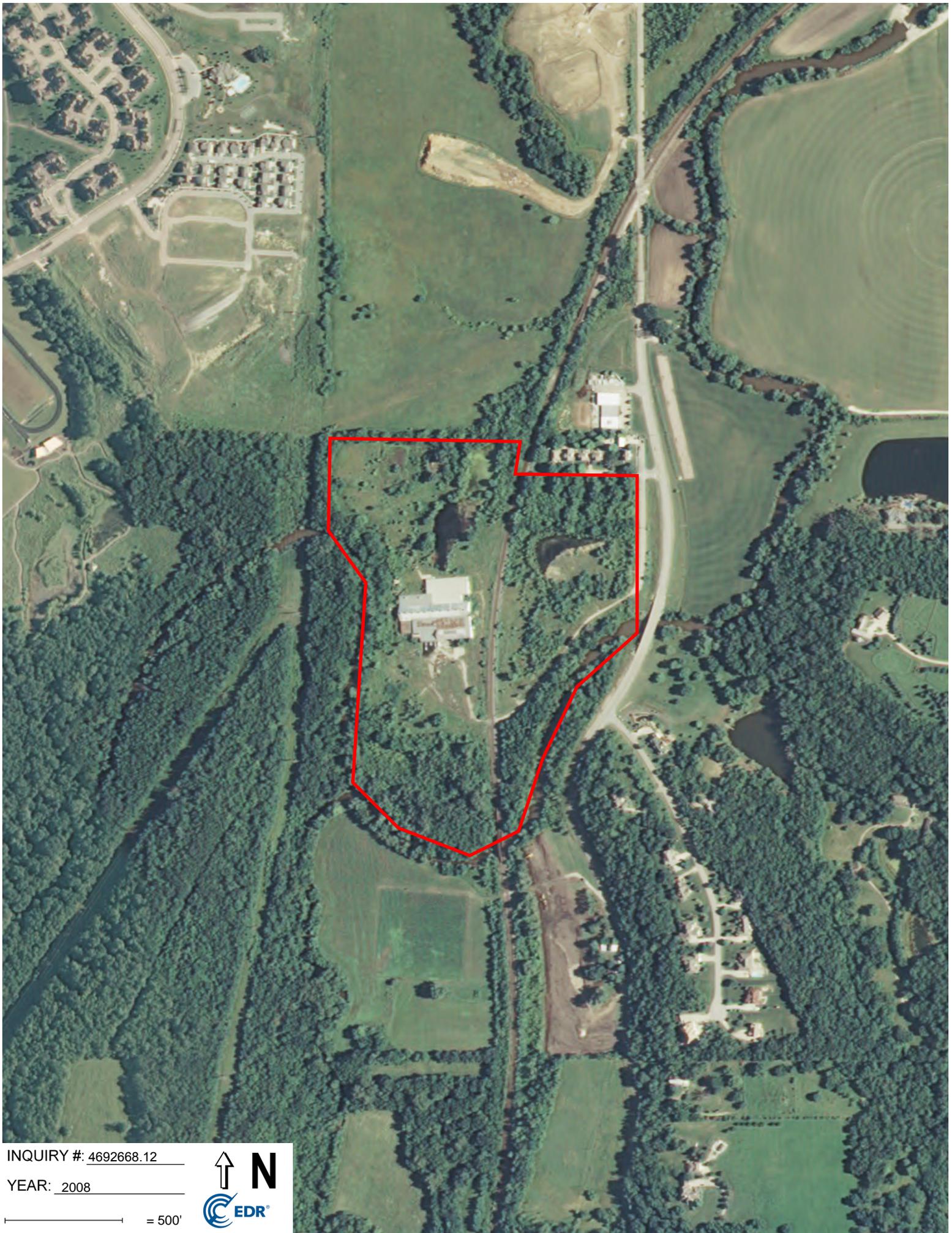


INQUIRY #: 4692668.12

YEAR: 2010

— = 500'



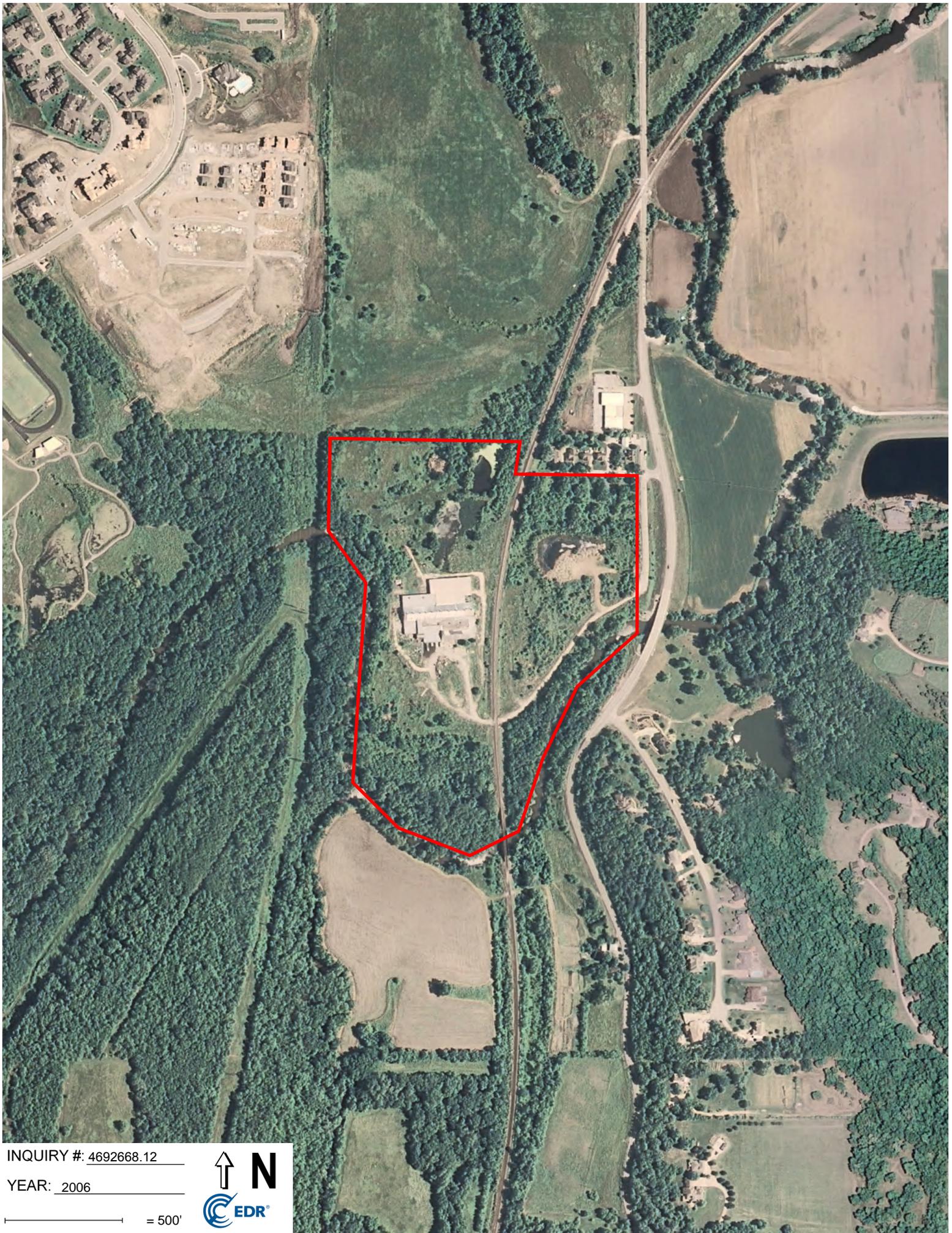


INQUIRY #: 4692668.12

YEAR: 2008

 = 500'





INQUIRY #: 4692668.12

YEAR: 2006

— = 500'



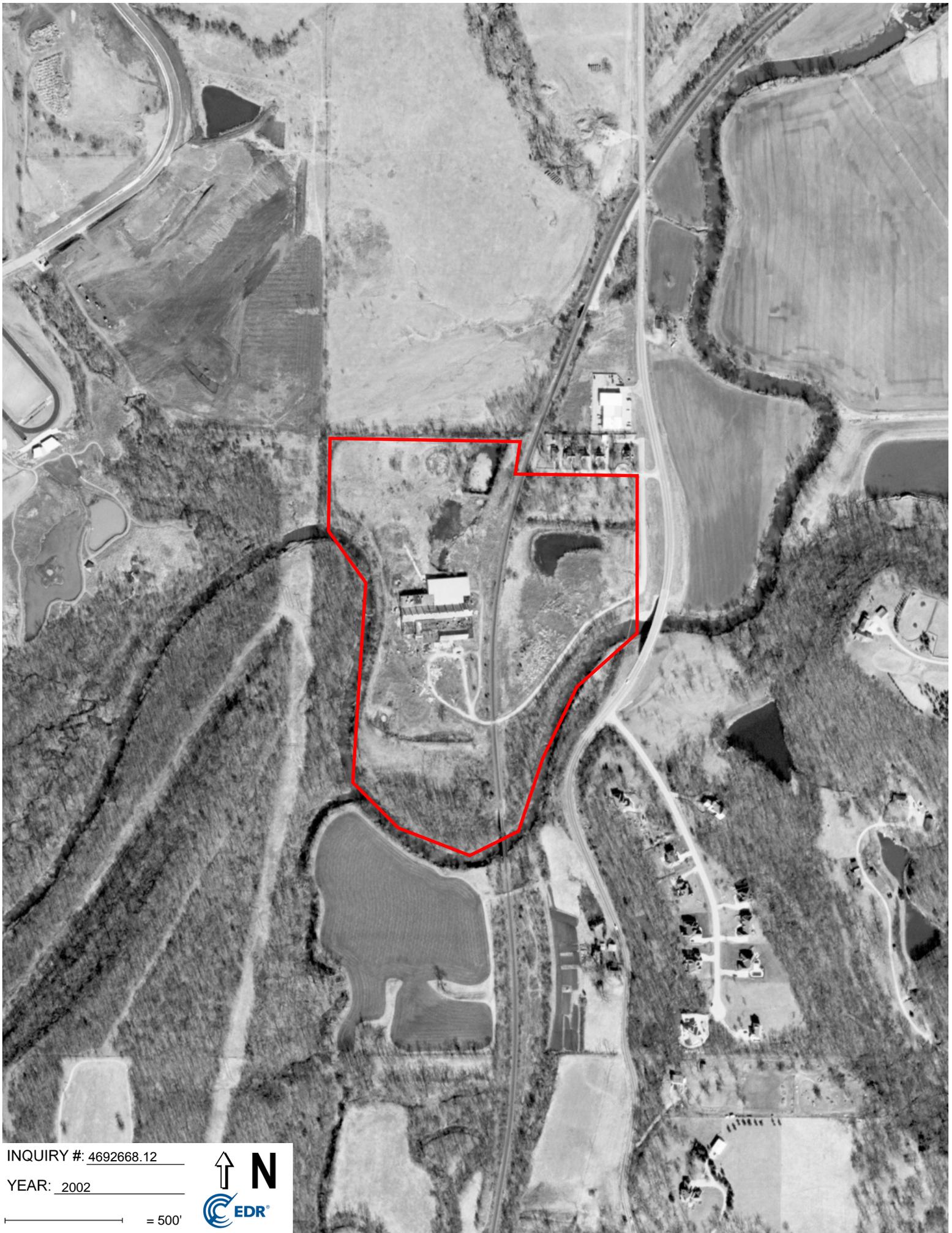


INQUIRY #: 4692668.12

YEAR: 2005

— = 500'





INQUIRY #: 4692668.12

YEAR: 2002

— = 500'





INQUIRY #: 4692668.12

YEAR: 1996

_____ = 750'





INQUIRY #: 4692668.12

YEAR: 1991

— = 750'



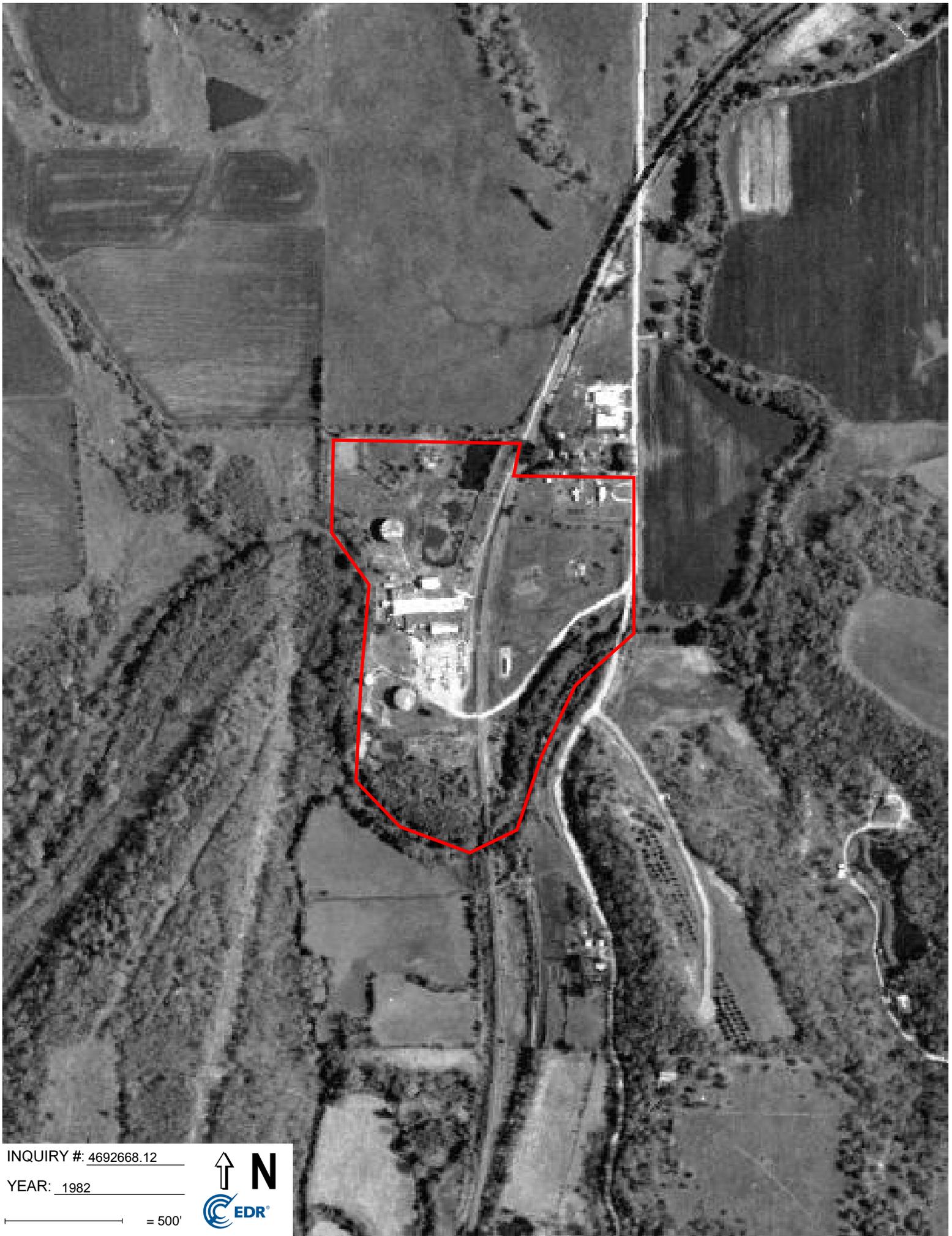


INQUIRY #: 4692668.12

YEAR: 1986

— = 500'



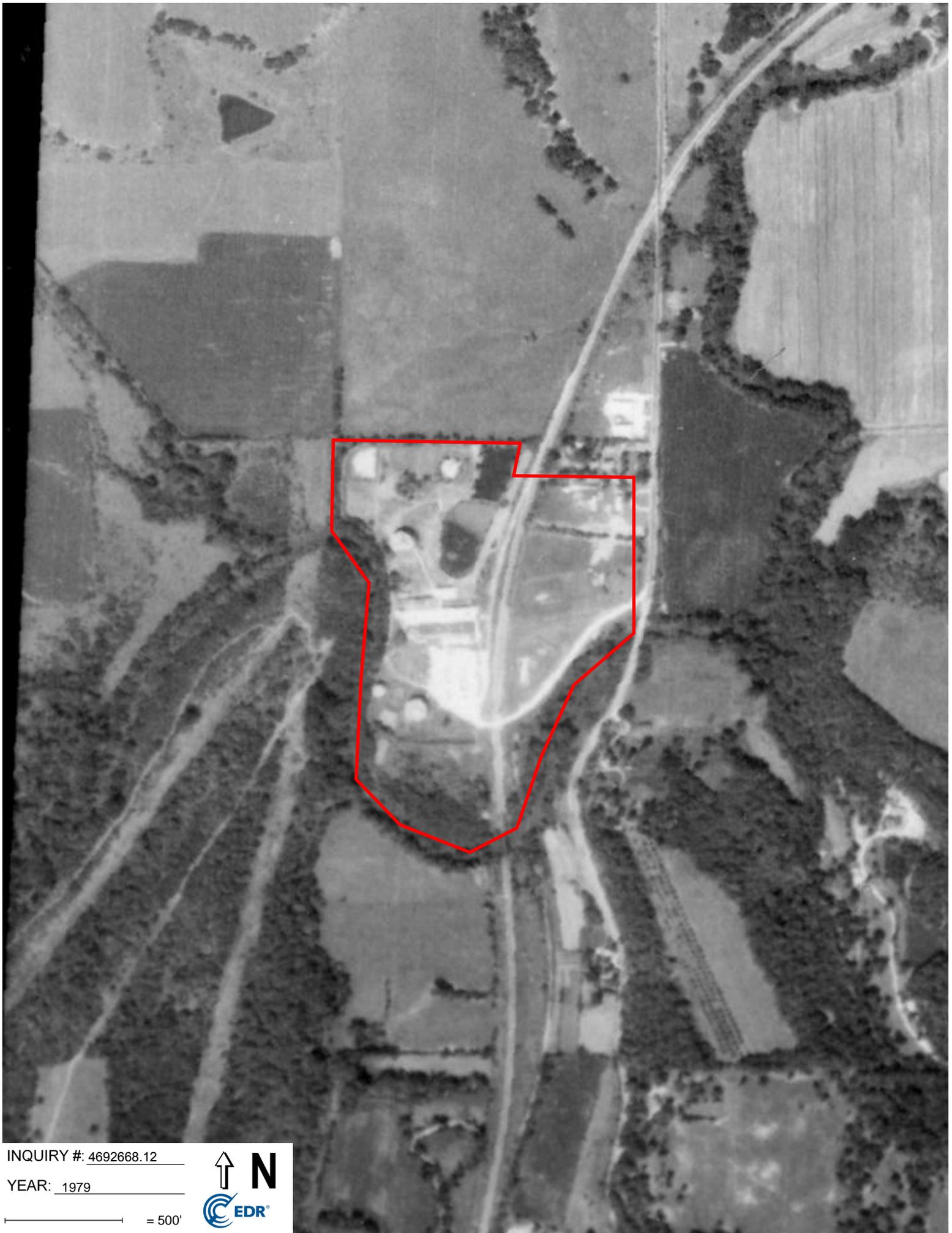


INQUIRY #: 4692668.12

YEAR: 1982

— = 500'



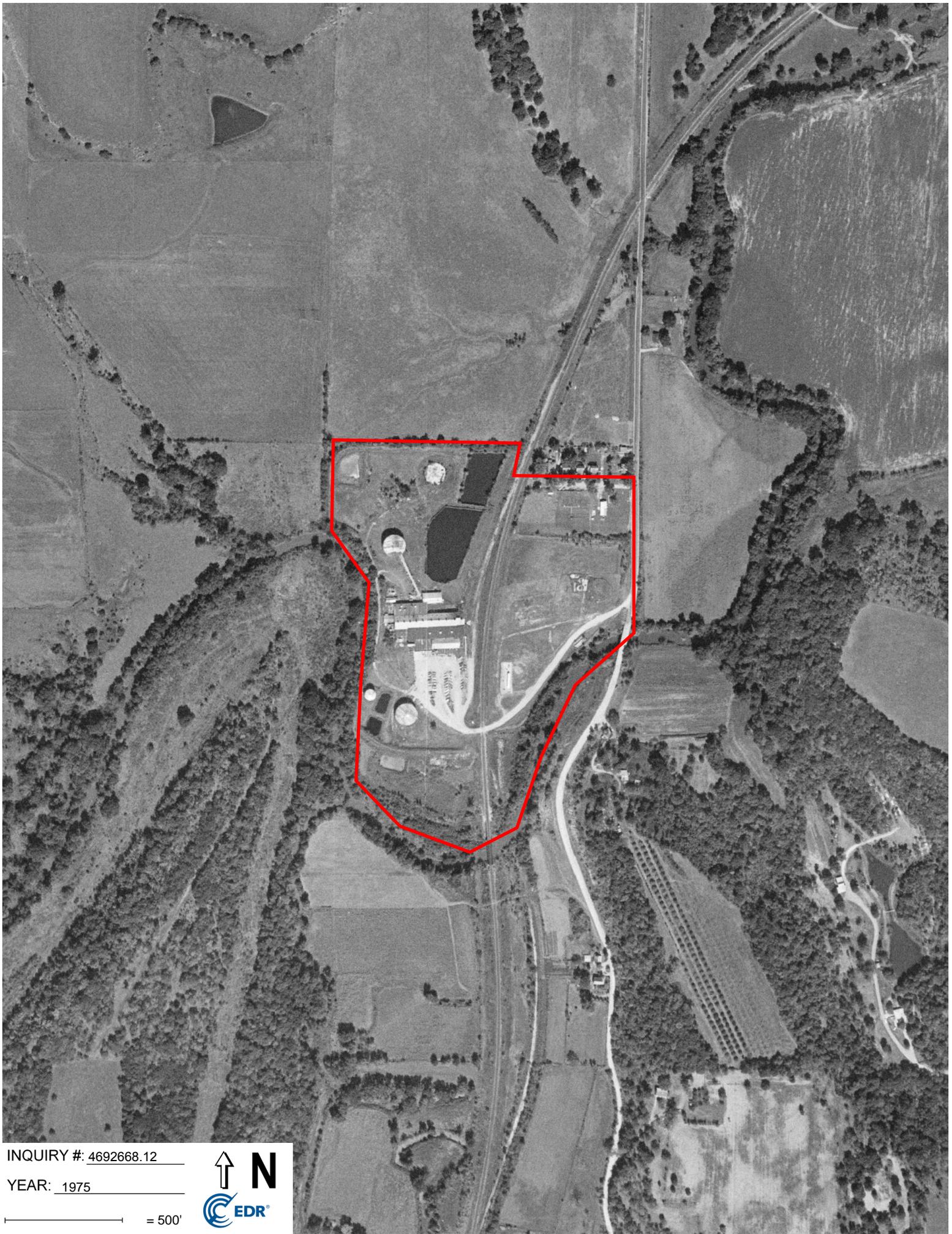


INQUIRY #: 4692668.12

YEAR: 1979

— = 500'





INQUIRY #: 4692668.12

YEAR: 1975

— = 500'



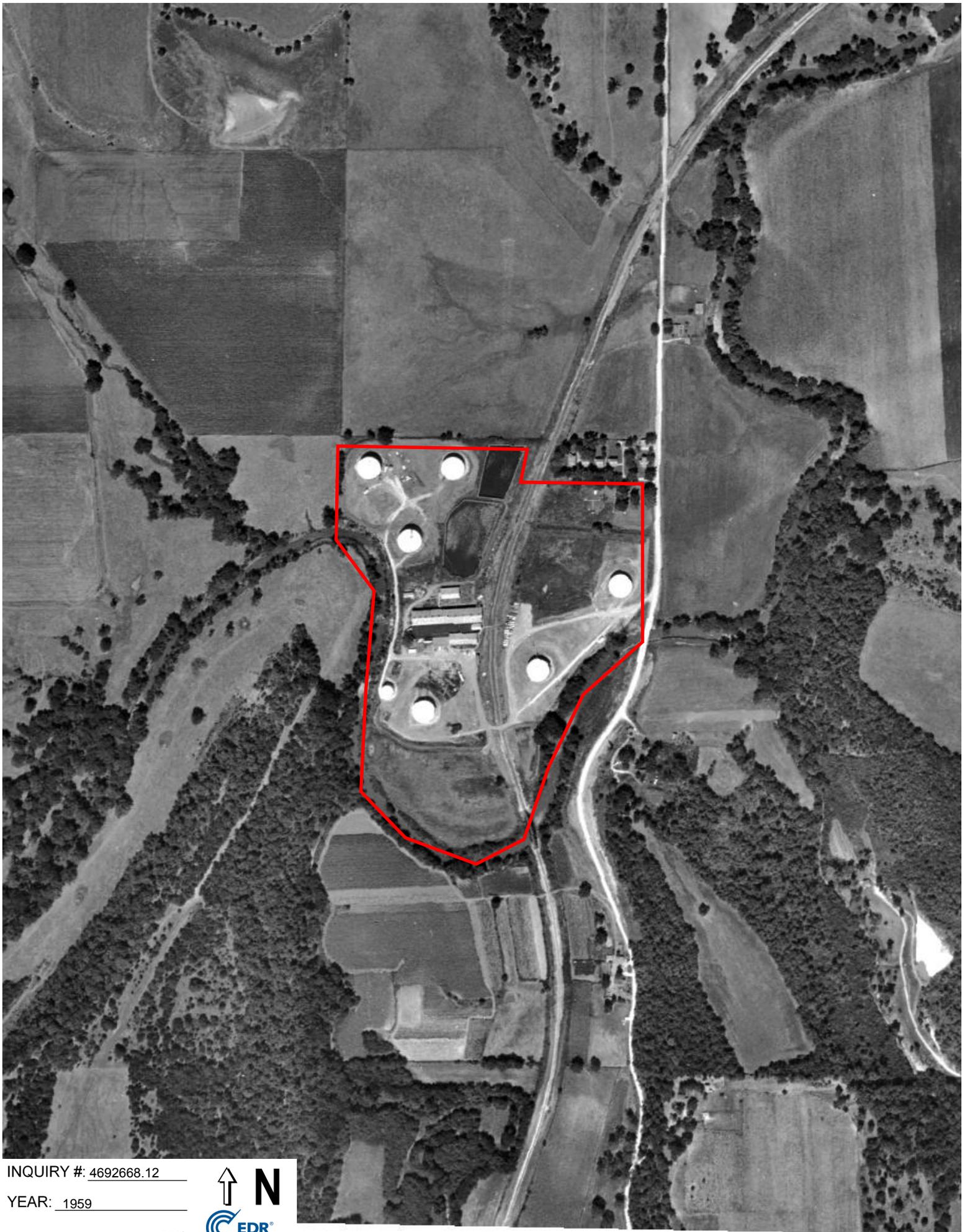


INQUIRY #: 4692668.12

YEAR: 1966

— = 500'





INQUIRY #: 4692668.12

YEAR: 1959

— = 500'





INQUIRY #: 4692668.12

YEAR: 1955

— = 750'





INQUIRY #: 4692668.12

YEAR: 1948

— = 500'





INQUIRY #: 4692668.12

YEAR: 1941

— = 500'





INQUIRY #: 4692668.12

YEAR: 1937

— = 500'



APPENDIX G-3
HISTORICAL TOPOGRAPHIC MAPS

Kuhlman Diecasting

16400 Mission Road

Stilwell, KS 66085

Inquiry Number: 4692668.4

August 04, 2016

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

08/04/16

Site Name:

Kuhlman Diecasting
16400 Mission Road
Stilwell, KS 66085
EDR Inquiry # 4692668.4

Client Name:

Tetra Tech EMI
415 Oak Street
Kansas City, MO 64106
Contact: John Simpson



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Tetra Tech EMI 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. EDR's 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:	38.829916 38° 49' 48" North
Project:	103X9025140002.019023	Longitude:	-94.633244 -94° 38' 0" West
		UTM Zone:	Zone 15 North
		UTM X Meters:	358232.43
		UTM Y Meters:	4299169.57
		Elevation:	890.96' above sea level

Maps Provided:

2012, 2015
1995
1975
1970
1953, 1956
1893
1887

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012, 2015 Source Sheets



Stilwell
2012
7.5-minute, 24000



Belton
2015
7.5-minute, 24000

1995 Source Sheets



Belton
1995
7.5-minute, 24000
Aerial Photo Revised 1991
Edited 1995

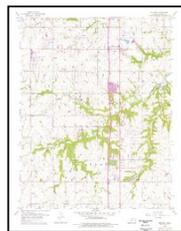


Stilwell
1995
7.5-minute, 24000
Aerial Photo Revised 1991
Edited 1995

1975 Source Sheets



Belton
1975
7.5-minute, 24000
Photo Revised 1975
Aerial Photo Revised 1975

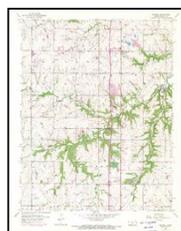


Stilwell
1975
7.5-minute, 24000
Photo Revised 1975
Aerial Photo Revised 1975

1970 Source Sheets



Belton
1970
7.5-minute, 24000
Photo Revised 1970
Aerial Photo Revised 1970

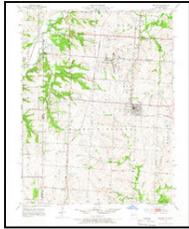


Stilwell
1970
7.5-minute, 24000
Photo Revised 1970
Aerial Photo Revised 1970

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953, 1956 Source Sheets



Belton
1953
7.5-minute, 24000
Aerial Photo Revised 1948



Stilwell
1956
7.5-minute, 24000
Aerial Photo Revised 1955

1893 Source Sheets

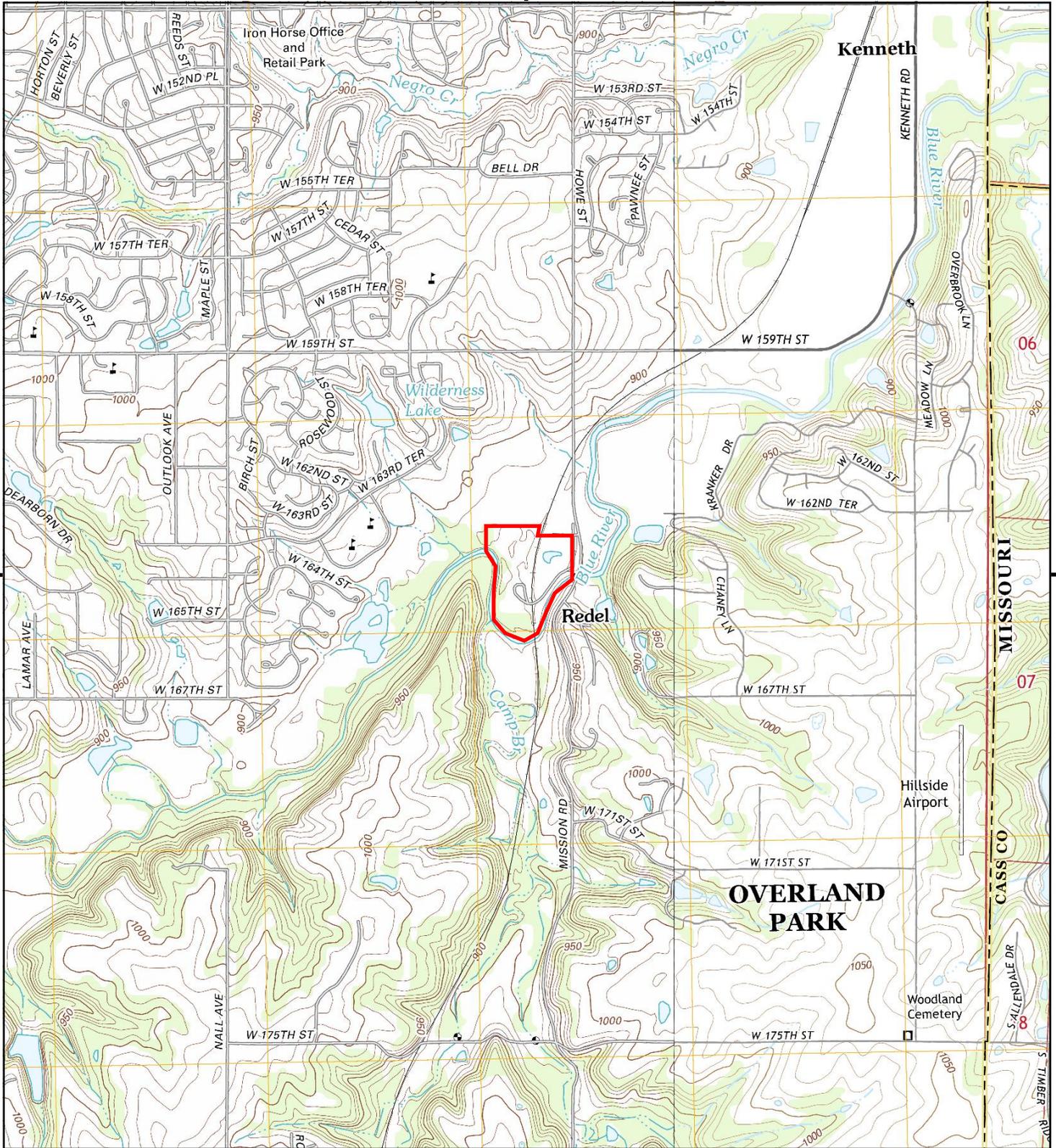


Olathe
1893
30-minute, 125000

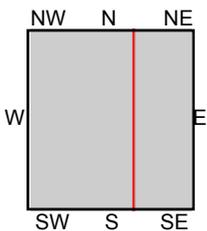
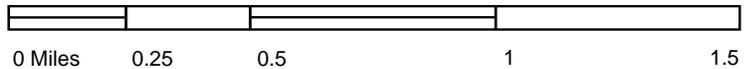
1887 Source Sheets



Olathe
1887
30-minute, 125000



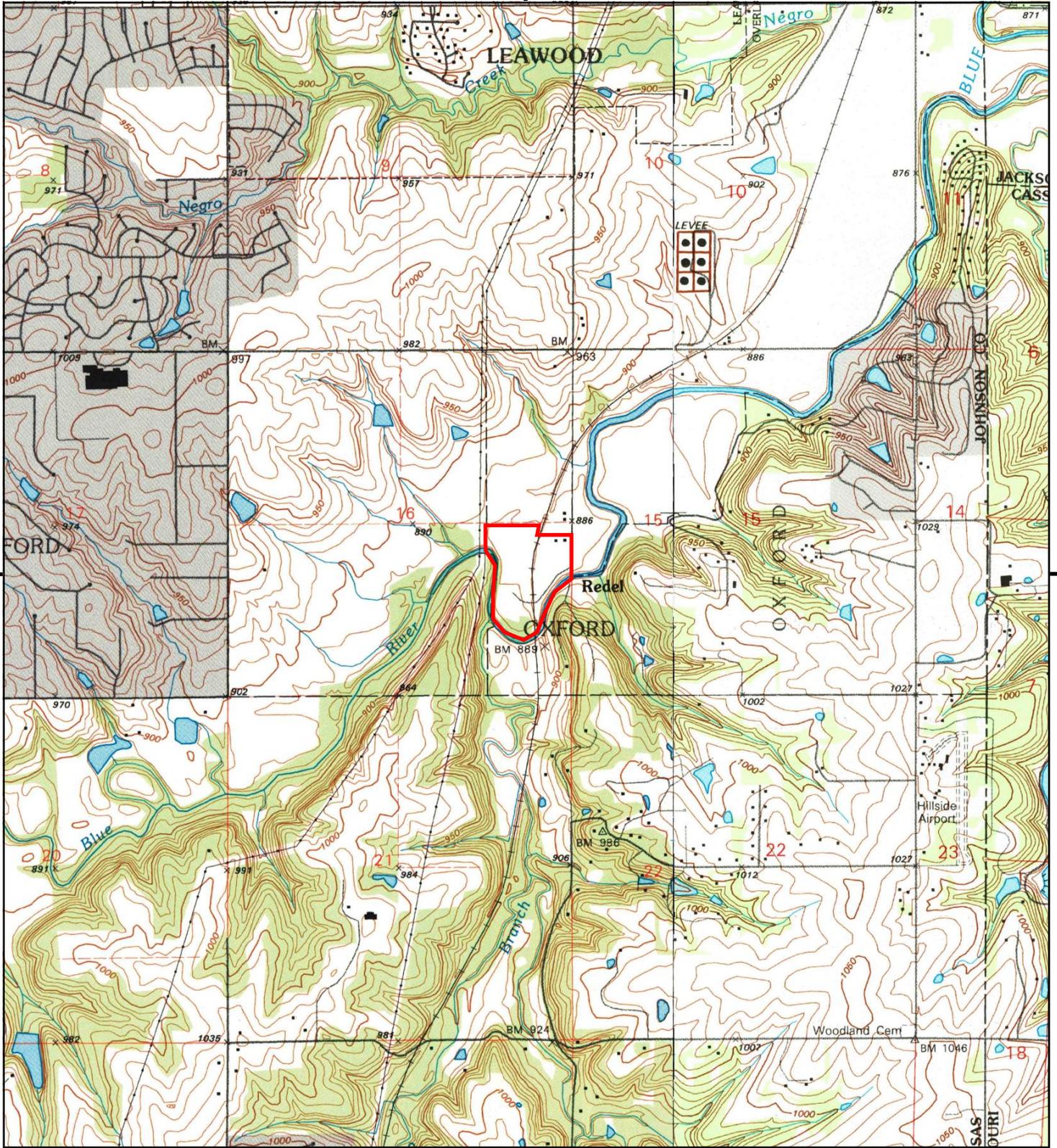
This report includes information from the following map sheet(s).



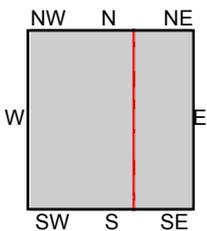
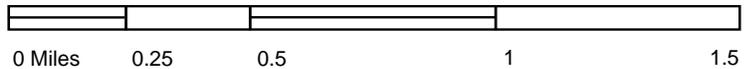
TP, Stilwell, 2012, 7.5-minute
E, Belton, 2015, 7.5-minute

SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI





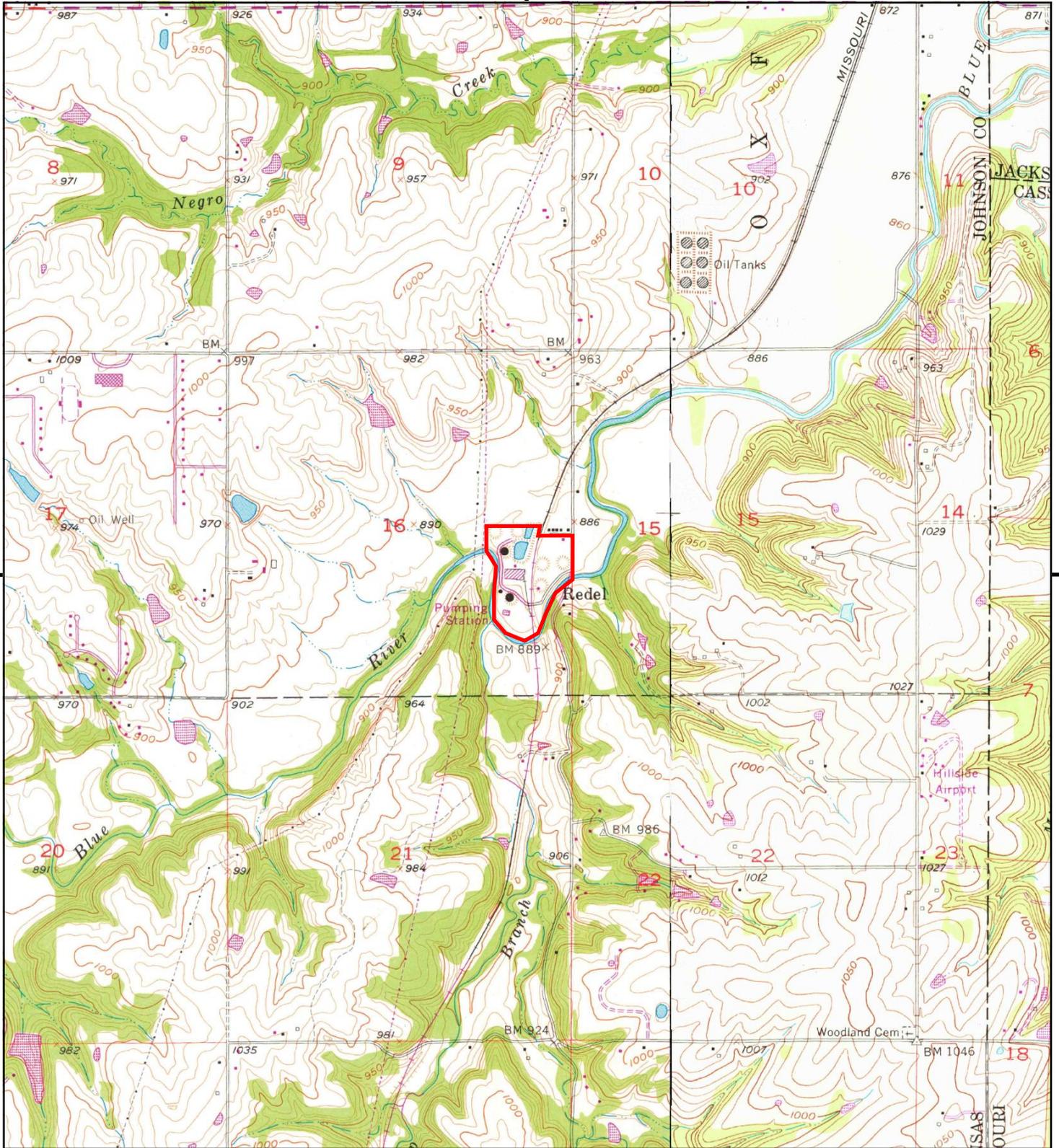
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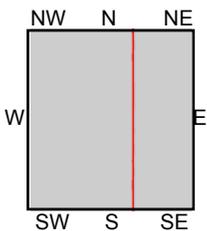
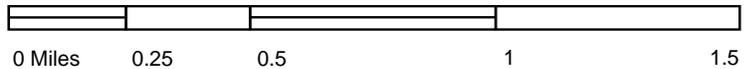
TP, Stilwell, 1995, 7.5-minute
E, Belton, 1995, 7.5-minute

SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI





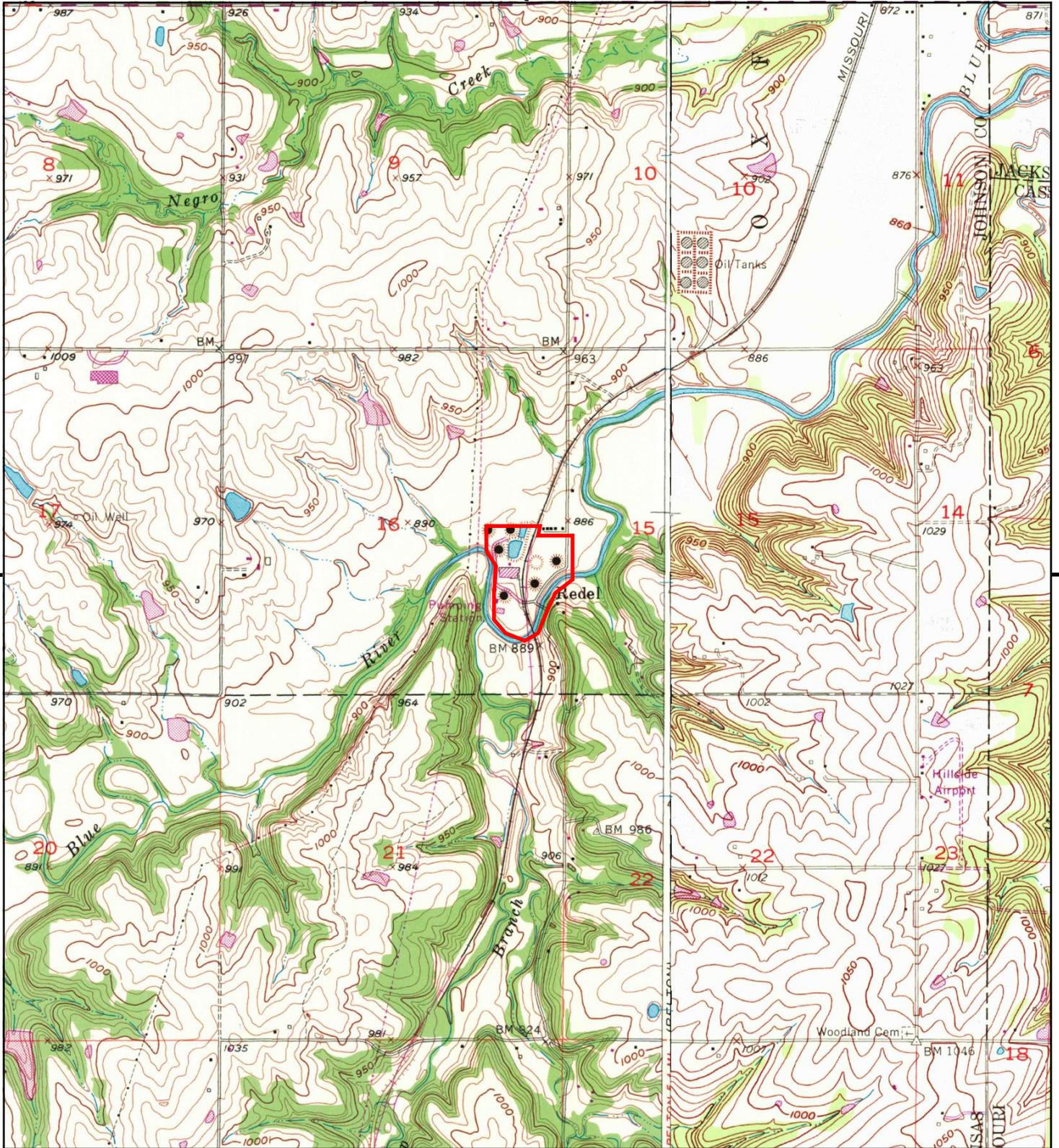
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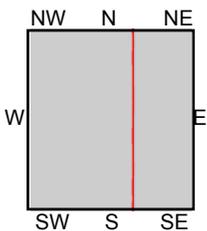
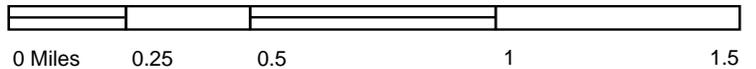
TP, Stilwell, 1975, 7.5-minute
E, Belton, 1975, 7.5-minute

SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI





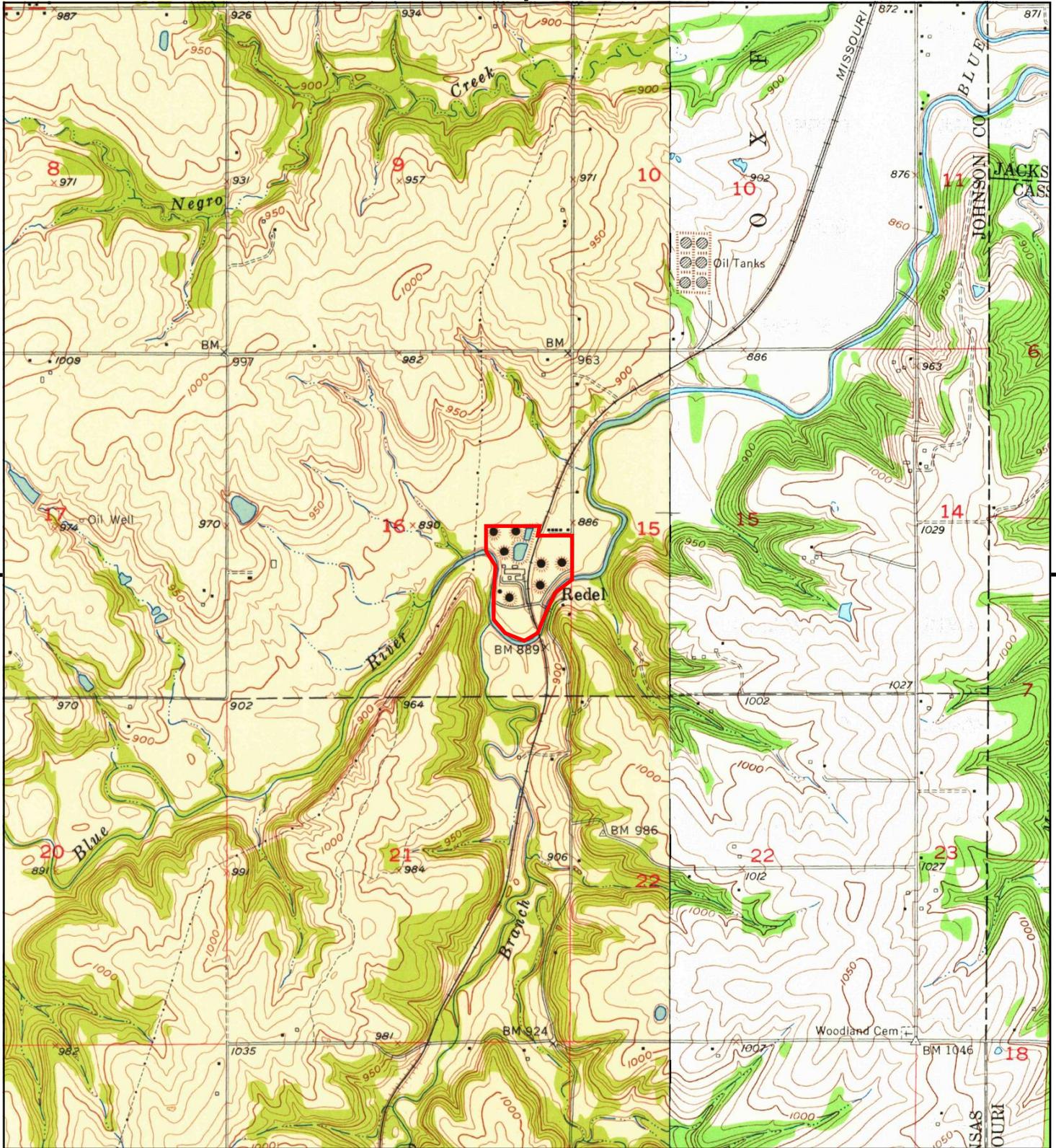
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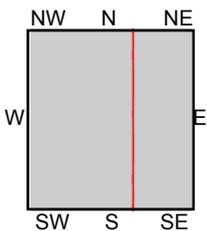
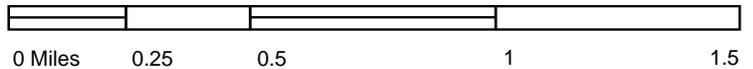
TP, Stilwell, 1970, 7.5-minute
E, Belton, 1970, 7.5-minute

SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI





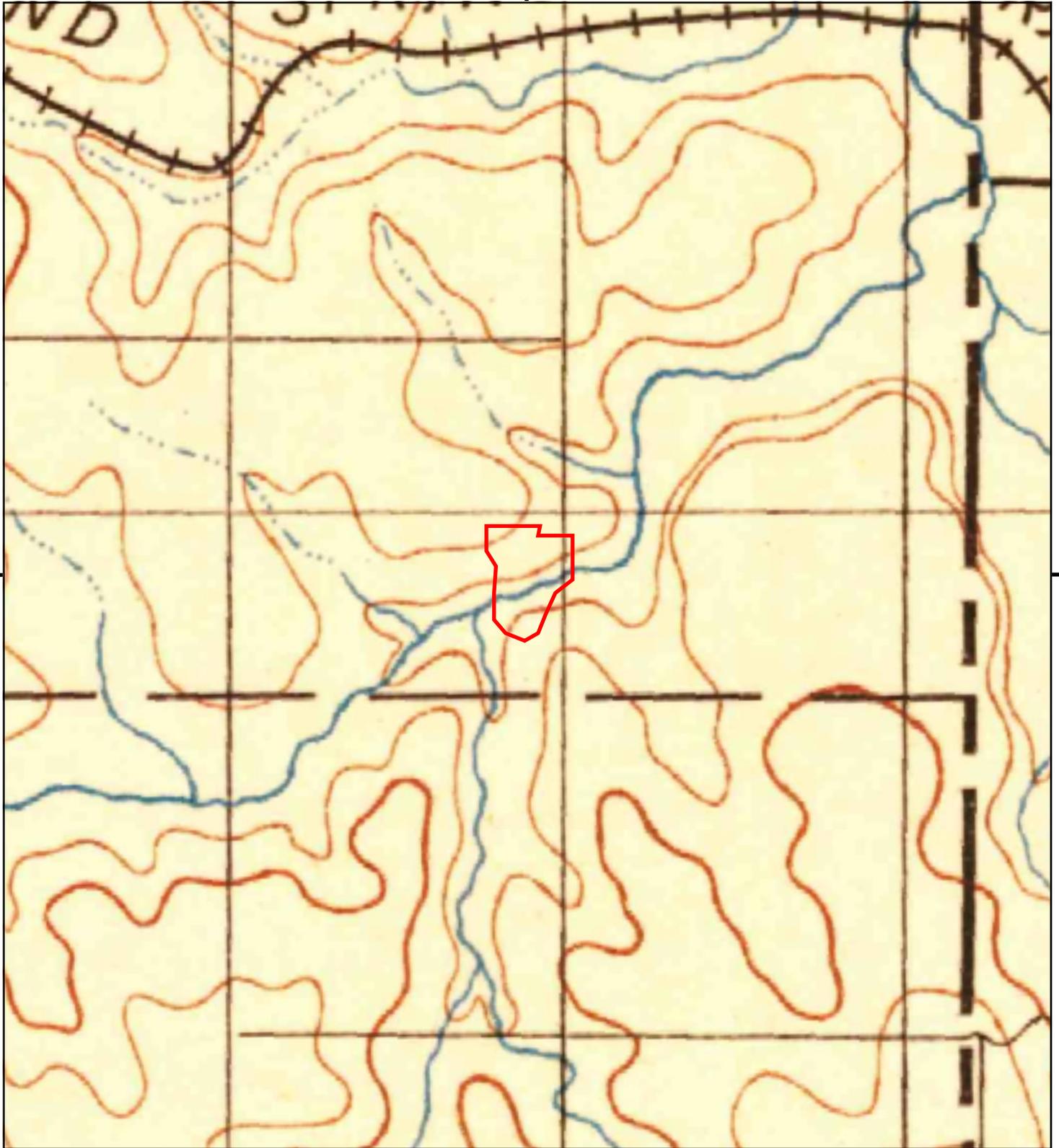
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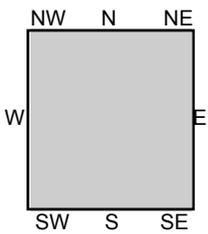
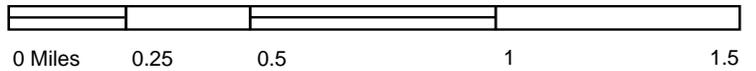
TP, Stilwell, 1956, 7.5-minute
E, Belton, 1953, 7.5-minute

SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI





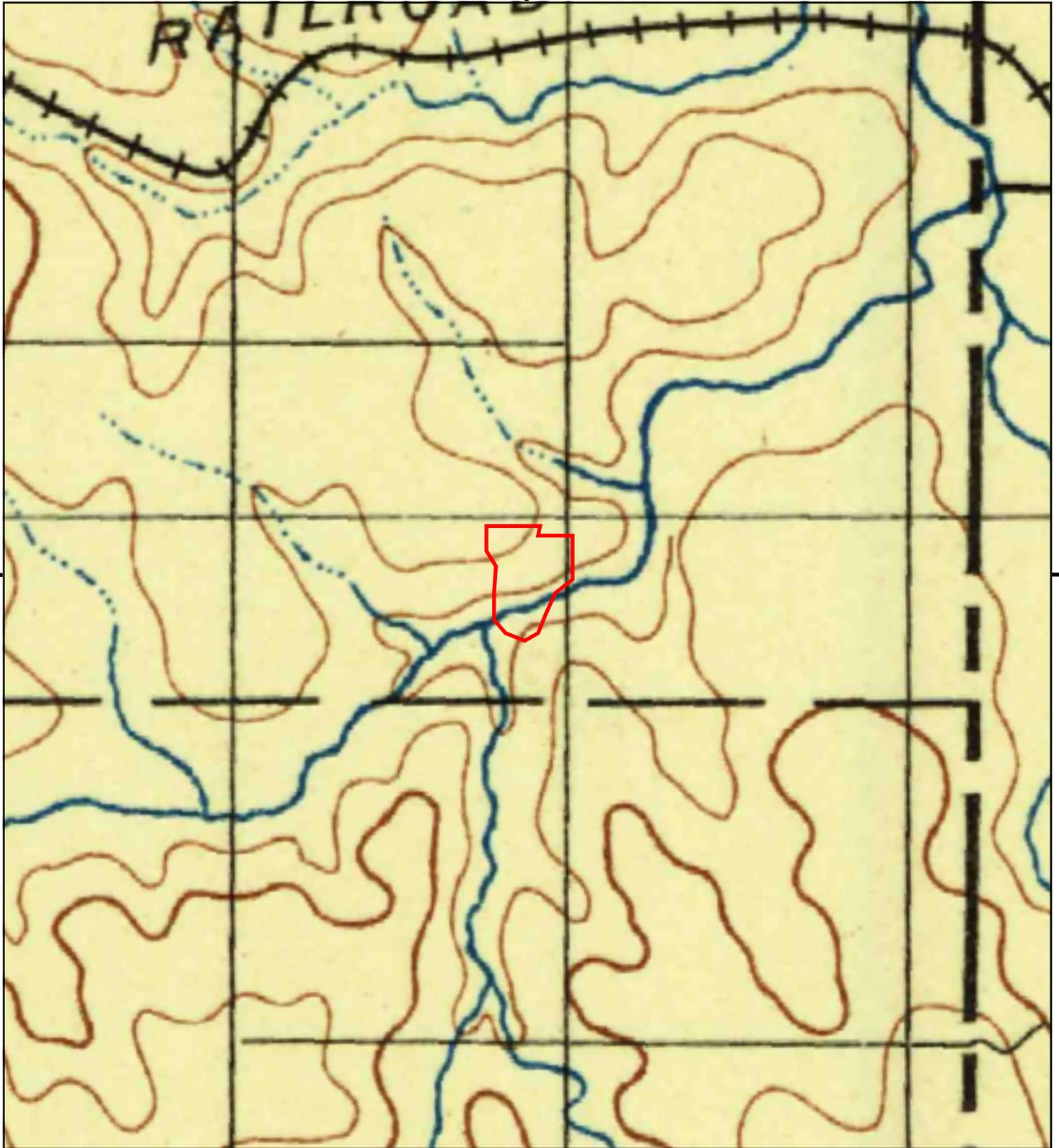
This report includes information from the following map sheet(s).



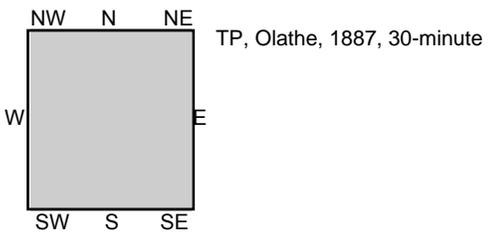
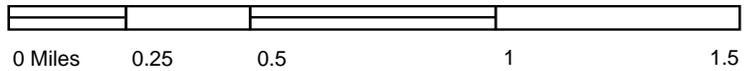
TP, Olathe, 1893, 30-minute

SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI





This report includes information from the following map sheet(s).



SITE NAME: Kuhlman Diecasting
ADDRESS: 16400 Mission Road
Stilwell, KS 66085
CLIENT: Tetra Tech EMI



APPENDIX G-4

HISTORICAL CITY DIRECTORY SEARCH

Kuhlman Diecasting

16400 Mission Road
Stilwell, KS 66085

Inquiry Number: 4692668.5
August 07, 2016

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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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.

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>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services

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FINDINGS

TARGET PROPERTY STREET

16400 Mission Road
Stilwell, KS 66085

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

MISSION RD

2013	pg A1	Cole Information Services
2008	pg A2	Cole Information Services
2003	pg A3	Cole Information Services
1999	pg A4	Cole Information Services
1995	pg A5	Cole Information Services
1992	pg A6	Cole Information Services

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

MISSION RD 2013

16200 PINNACLE LAWN CARE INC
16225 STEVE BRIGGS
16310 FRANK FISHER
16600 HENRY VERHAGUE
16701 OCCUPANT UNKNOWN
16775 JOSEPH SAYEGH
16845 GEORGE GOELLNER
17000 PATRICK LAVERGNE
17145 LLOYD ANDERSON
17200 DANIEL GRIFFIN
17265 JEFF WOODROOF
17355 KATHLEEN SAMALON
17375 PAUL BRADSHAW
17425 COURTNEY CATALDI
17445 REGINA FRIES
17475 JOSE HASSAN
17595 KEVIN OWEN
17645 ROBERT MOULTON

MISSION RD 2008

16225 STEVE BRIGGS
16310 ANNE FISHER
16600 HENRY VERHAGUE
16701 CHRISTINE MARTIN
16775 JOHN SAYEGH
16845 GEORGE GOELLNER
17000 PATRICK LAVERGNE
17145 LLOYD ANDERSON
17200 DANIEL GRIFFIN
17265 JEFF WOODROOF
17300 DAVID KRAFT
17355 JACKIE DAVIDSON
17375 PAUL BRADSHAW
17425 VICTOR MARTIN
17445 VINA CONSTRUCTION INC
VINCENT FRIES
17475 ABACUS SOLUTIONS
ALEXANDER GREDINBERG
17595 KEVIN OWEN
17645 ROBERT MOULTON

MISSION RD 2003

16200 ENTERPRISE RENT A CAR
FIRST TEAM CARSTAR COLLISION
FIRSTTEAM COLLISION CTR
OCCUPANT UNKNOWN

16310 DEANNA LIEBL SGNTR WDNG CAKES
OCCUPANT UNKNOWN

16600 OCCUPANT UNKNOWN

16775 HAROLD PRYOR

16845 GEORGE GOELLNER

17000 ANN HAGEDORN

17145 LLOYD ANDERSON

17200 DANIEL GRIFFIN

17265 JEFF WOODROOF

17300 DAVID CRAFT

17355 JACKIE DAVIDSON

17375 PAUL BRADSHAW

17425 CHARLES WILLIAMS

17445 ANTHONY FRIES
VINA CONSTRUCTION

17475 JOSE HASSAN

17595 OCCUPANT UNKNOWN

17645 ANGELA WRENNALL

MISSION RD 1999

16200 CARSTAR AUTOMOTIVE INCORPORATED KANSAS CITY
16225 STEVE BRIGGS
16310 ANNE FISHER
16600 HENRY VERHAGUE
16701 CHRISTINE MARTIN
16775 JOHN SAYEGH
16845 GEORGE GOELLNER
17000 PATRICK LAVERGNE
17145 LLOYD ANDERSON
17200 DANIEL GRIFFIN
17265 JEFF WOODROOF
17355 JACKIE DAVIDSON
17375 PAUL BRADSHAW
17425 VICTOR MARTIN
17445 VINA CONSTRUCTION INCORPORATED
VINCENT FRIES
17475 JOSE HASSAN
17595 KEVIN OWEN
17645 ROBERT MOULTON

MISSION RD 1995

16200 CARSTAR
16845 GOELLNER, GEORGE H JR
17000 DOUGLAS, RICHARD L
17100 CAIN, GAYLE
17145 ANDERSON, LLOYD
17265 WOODROOF, JEFF
17300 KRAFT, DAVID
17355 RICHARDSON, LANCE
17425 TWIN OAKS REMODELING & SVC CO
WILMS, PAMELA
17445 FRIES, REGINA S
KANSAS CITY MISSOURI CONSTR
17645 WRENNALL, W

MISSION RD 1992

16200 CARSTAR
FIRST TEAM COLLISN
WILLOW CRK AUTO
16300 PRUETT, LESTER
16775 PRYOR, JOE
16845 GOELLNER, GEORGE H JR
16900 MARSH, ROBIN L
17000 DOUGLAS, RICHARD L
17165 SHIELDS, JAMES E
17595 CHRISTLIEB, JOHN C
17645 WRENNALL, W

APPENDIX G-5

50 YEAR CHAIN OF TITLE REPORT

**Kuhlman Diecasting
16400 Mission Road
Stilwell, Kansas 66085**

**Inquiry Number: 4700425.1
August 30, 2016**

The EDR 50 Year Chain of Title

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back 50 years of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research
- Leases and Miscellaneous

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

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EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

KUHLMAN DIECASTING
16400 MISSION ROAD
STILWELL, KANSAS 66085

Research Source

Source 1: Johnson County Recorder of Deeds

Source 2: Johnson County, Kansas Assessor

EXAMINER'S NOTE:

Public records of Johnson County, Kansas were searched from October 3, 1936 to August 24, 2016, and no other deeds vesting title in the subject property were found of record during the period searched.

PROPERTY DESCRIPTION

Current Owner: Kuhlman Diecasting Company

Legal Description: Section 16, T14, R25

Property Identifiers: 046-165-16-0-40-01-006.00-0

HISTORICAL CHAIN OF TITLE

See Exhibit "A"

EDR Chain of Title

Chain of Title

Exhibit "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL NO. 1

Chain 1

Type of Deed: Kansas Warranty Deed
Title is vested in: Kuhlman Diecasting Company
Title received from: Milo Sawyer and Anne Sawyer
Date Executed: October 31, 1969
Date Recorded: November 3, 1969
Book: 676
Page: 283

Chain 2

Type of Deed: Kansas Warranty Deed
Title is vested in: Kuhlman Diecasting Company
Title received from: William G. Nutt and Ava K. Nutt
Date Executed: June 15, 1962
Date Recorded: September 18, 1962
Book: 511
Page: 173

Chain 3

Type of Deed: Kansas Warranty Deed
Title is vested in: Kuhlman Diecasting Company
Title received from: Harry L. Leva and Leah Leva
Date Executed: June 15, 1962
Date Recorded: September 18, 1962
Book: 511
Page: 171

Chain 4

Type of Deed: Kansas Warranty Deed
Title is vested in: Kuhlman Diecasting Company
Title received from: Anne K. Sawyer and Milo Sawyer
Date Executed: June 15, 1962
Date Recorded: September 18, 1962
Book: 511
Page: 169

Chain 5

Type of Deed: Kansas Warranty Deed
Title is vested in: Milo Sawyer, William G. Nutt, Harry L. Leva and Anne K. Sawyer
Title received from: Joseph Koralchik
Date Executed: September 25, 1957
Date Recorded: September 30, 1957
Book: 410
Page: 172

EDR Chain of Title

Chain 6

Type of Deed: Kansas Warranty Deed
Title is vested in: Joseph Koralchik
Title received from: Milo Sawyer, Anne K. Sawyer, William G. Nutt, Ava K. Nutt, Harry L Leva and Leah Leva
Date Executed: September 25, 1957
Date Recorded: September 30, 1957
Book: 410
Page: 170

Chain 7

Type of Deed: Deed
Title is vested in: Milo Sawyer, William G. Nutt and Harry L. Leva
Title received from: Gertrude Krost
Date Executed: January 15 1957
Date Recorded: January 17, 1957
Book: 396
Page: 336

Chain 8

Type of Deed: Deed
Title is vested in: Gertrude Krost
Title received from: River Construction Corporation, Mid-States Pipe and Supply Company and Rogers and Wright, Inc.
Date Executed: July 26, 1954
Date Recorded: August 10, 1954
Book: 341
Page: 560

Chain 9

Type of Deed: Deed
Title is vested in: Mid-States Pipe & Supply Company, Rogers & Wright, Inc. and River Construction Corporation
Title received from: Sinclair Pipe Line Company
Date Executed: June 1, 1953
Date Recorded: March 1, 1954
Book: 331
Page: 485

Chain 10

Type of Deed: Deed
Title is vested in: Sinclair Pipe Line Company
Title received from: Sinclair Refining Company
Date Executed: December 31, 1950
Date Recorded: January 23, 1951
Book: 273
Page: 475

EDR Chain of Title

Chain 11

Type of Deed:	Deed
Title is vested in:	Sinclair Refining Company
Title received from:	Sinclair Prairie Pipe Line Company
Date Executed:	August 31, 1936
Date Recorded:	October 3, 1936
Book:	162
Page:	480

091509

BOOK 410 PAGE 1770

Kansas Warranty Deed

This Indenture, Made this 25th day of September A. D. One Thousand

Nine Hundred Fifty-Seven by and between Milo Sawyer and Anne K. Sawyer, his wife, Johnson County, Kansas; William E. Nutt and Ava K. Nutt, his wife, Wyandotte County, Kansas; and Harry L. Leva and Leah Leva, his wife, Jackson County, Missouri;

of _____ County, in the State of _____ of the first part, and

Joseph K. Daugherty

of Jackson County, in the State of Missouri of the second part,

WITNESSETH: THAT SAID PARTIES OF THE FIRST PART, in consideration of the sum of ONE DOLLAR and other good and valuable considerations **DOLLARS**, the receipt of which is hereby acknowledged, do by these presents, Grant, Bargain, Sell and Convey unto the said party of the second part, his heirs and assigns, all the following described real estate, situated in the County of Johnson and State of Kansas, to-wit:

That part of the East 1/2 of the Southeast 1/4 of Section 16, Township 14, Range 25, in Johnson County, Kansas, described as follows: Beginning at the northeast corner of said Southeast 1/4, thence east along the North line of said Southeast 1/4 to the Northwest corner of the East 1/2 of said Southeast 1/4, thence South on the line running North and South through the center of said 1/4 section, 111 feet, crossing the Big Blue River, to a point 6 feet South of the South bank of said River; thence Southerly and following the Southerly and Westerly bank of said River and 6 feet distant therefrom to the center of what is known as Camp Branch; thence down the center of said branch to the center of said Big Blue River; thence following down the center of said river to the East line of said Section 16; thence North along the East line of said Section 16 to the place of beginning, but excepting therefrom the right-of-way of the Missouri-Pacific Railroad; and also excepting therefrom all that part of the North 154 feet of said Southeast 1/4 which lies East of said Missouri Pacific Railroad right-of-way.

TO HAVE AND TO HOLD THE SAME, Together with all and singular the tenements, hereditaments and appurtenances therunto belonging or in any wise appertaining, forever. And said

first parties for their heirs, executors or administrators, do hereby covenant, promise and agree to and with said party of the second part, that at the delivery of these presents they are lawfully seized in their own right of an absolute and indefeasible estate of inheritance, in fee simple, of and in all and singular the above granted and described premises, with the appurtenances, that the same are free, clear, discharged and unincumbered of and from all former and other grants, titles, charges, estates, judgments, taxes, assessments and incumbrances, of what nature or kind soever: Subject to all easements, reservations and exceptions of record.

and that they will warrant and forever defend the same unto the said party of the second part, his heirs and assigns, against said parties of the first part, their heirs, and all and every person or persons whomsoever, lawfully claiming or to claim the same.

IN WITNESS WHEREOF, The said parties of the first part have hereunto set their hands the day and year first above written.

Harry L. Leva
Leah Leva

Milo Sawyer
Anne K. Sawyer
William E. Nutt
Ava K. Nutt

Kansas Warranty Deed

This Indenture, Made this 21st day of February, A. D., One Thousand

Nine Hundred by and between Samuel J. ...

of ... County, in the State of ... of the first part, and

of ... County, in the State of ... of the second part

WITNESSETH: THAT SAID PART OF THE FIRST PART in consideration of the sum of ... DOLLARS,

the receipt of which is hereby acknowledged, do by these presents, Grant, Bargain Sell and Convey unto the said part of the second part, his heirs and assigns, all the following described real estate, situated in the County of ... and State of Kansas, to-wit:



TO HAVE AND TO HOLD THE SAME, Together with all and singular the tenements, hereditaments and appurtenances thereto in anywise appertaining forever. And said

heirs, executors or assigns, do hereby covenant, promise and agree to and with said part of the second part, that at the delivery of these presents

heirs, executors or assigns, shall and lawfully seized in his own right or in absolute and undivided fee simple, of and in all and singular the above granted and described premises, with the appurtenances, that the same are free, clear, discharged and unincumbered and from all forms and other grants, titles, claims, estates, judgments, taxes, assessments and incumbrances, of what nature or kind soever;

and that he will warrant and forever defend the same unto the said part of the second part, his heirs and assigns, against said part of the first part, his heirs, and all and every person or persons whomsoever, lawfully claiming or to claim the same

IN WITNESS WHEREOF, The said part of the first part has hereunto set his hand the day and year first above written

[Signature]
Register of Deeds

KANSAS ACKNOWLEDGMENT

STATE OF Missouri
County of Jackson

BE IT REMEMBERED, That on this 22nd day of September A. D. 1947
before me, the undersigned, a Notary Public in and for said County and State, came
John A. ..., a single person,
who is personally known to me to be the same person who executed the within instrument of writing, and
duly acknowledged the execution of the same, and further acknowledged that he is single and
IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal the day and year last
above written.

My Commission Expires July 15 1949
Mary Doris Mangen
Mary Doris Mangen
Notary Public

KANSAS ACKNOWLEDGMENT

STATE OF _____
County of _____

BE IT REMEMBERED, That on this _____ day of _____ A. D. 19____
before me, the undersigned, a Notary Public in and for said County and State, came _____
who _____ personally known to me to be the same person _____ who executed the within instrument of writing, and
duly acknowledged the execution of the same.
IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal the day and year last
above written.

My commission expires _____ 19____

Warranty Deed

FRONT

TU

Entered in Transfer Record in my
office this _____ day of _____ 19____

County Clerk

STATE OF KANSAS

Received for Record on the
day of _____ 19____ at _____ o'clock
M. and duly Recorded in Book
No. 16 of _____ at Page 77
W. D. Mangen
Register of Deeds

NICHOLSON TITLE CO
CLATHE KANSAS

654830

Kansas Warranty Deed

This Indenture, Made this 10th day of June A. D. One Thousand

Nine Hundred Sixty-Two by and between

ANNE K. SAWYER and MILO SAWYER, her husband,

WALTER W. BLIVEN
Johnson County, KS

of Johnson County, in the State of Kansas, parties of the first part, and

WILLIAM DIEBASTING COMPANY, a corporation,

of Jackson County, in the State of Missouri, party of the second part.

WITNESSETH: THAT SAID PARTIES OF THE FIRST PART, in consideration of the sum

of ONE DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION

the receipt of which is hereby acknowledged, do by them persons, Grant, Bargain, Sell and Convey

unto the said party of the second part, its successors, the following interest

in and to all the following described real estate and State of Kansas, to-wit:

ANNE K. SAWYER, the interest of ANNE K. SAWYER only, as tenant in

common in the following described real estate:

part of the East Half of the Southeast Quarter (E1/2 SE1/4) of Section

16, Township 18 North, Range 10 East, County of Johnson, State of Kansas, described as follows:

Beginning at the East corner of said Southeast Quarter, thence West

along the East line of said Southeast Quarter to the Northwest corner of

said Southeast Quarter, thence South on the line running

between said Southeast Quarter and the Southeast Quarter, section 16, feet,

thence South to the East line of said Southeast Quarter, section 16, feet, thence South of the south bank

of the branch of the Kansas River following the southerly and westerly

course of said branch to the center of what was then the center of said branch to the

center of said branch, thence following down the center of said

branch to the East line of said Southeast Quarter, thence North along the East

line of said Southeast Quarter to the place of beginning, but excepting therefrom

the portion of said Southeast Quarter which is occupied by the Kansas River, and also excepting

therefrom the portion of said Southeast Quarter which is occupied by the Kansas River, and also excepting

therefrom the portion of said Southeast Quarter which is occupied by the Kansas River, and also excepting

therefrom the portion of said Southeast Quarter which is occupied by the Kansas River, and also excepting

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therefrom the portion of said Southeast Quarter which is occupied by the Kansas River, and also excepting

therefrom the portion of said Southeast Quarter which is occupied by the Kansas River, and also excepting



KANSAS ACKNOWLEDGMENT

STATE OF Kansas

County of Wichita

BE IT REMEMBERED, That on this 15th day of April, 1910, before me, the undersigned, a Notary Public in and for said County and State, John P. [unclear] was present, personally known to me to be the above person, who executed a certain instrument, the nature of the same being acknowledged the execution of the said

BY MYSELF WILLARD, I have hereunto subscribed my name and official title, and my commission expires the 15th day of April, 1911.

My commission expires the 15th day of April, 1911

656631

NICHOLSON TITLE CO
CLATHE, KANSAS

Kansas Warranty Deed

This Indenture, Made this 15th day of June A. D. One Thousand

Nine Hundred Sixty-Two by and between

HARRY L. LEVA and LEAH LEVA, his wife,

Witnessed in presence of
WALTER W. BLEVENS
Johnson County, Clerk

of Jackson County, in the State of Missouri, part of the first part, and

KELMAN LIFE INSURANCE COMPANY, a corporation,

of Jackson County, in the State of Missouri, party of the second part.

WITNESSETH THAT SAID PARTIES OF THE FIRST PART, in consideration of the sum of ONE DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION

the receipt of which is hereby acknowledged, do by these presents, Grant, Bargain, Sell and Convey unto the said party of the second part, its heirs and assigns, all the following described real estate, situated in the County of Jackson and State of Kansas, to-wit:

All and the undivided 1/2 interest of HARRY L. LEVA, one of the Grantors herein, to-wit: in and to the following described real estate: The East half of the Southeast Quarter (E 1/2 SE 1/4) of Section 25, Township 25 N., Range 25 W., Johnson County, Kansas, described as follows: Beginning at the Northeast Corner of said Southeast Quarter; thence West along the North line of said Southeast Quarter to the Northwest Corner of said Quarter; thence South on the line of said Quarter to the center of said quarter section 25; thence South to a point six feet South of the center of said Quarter; thence Southerly and following the southerly line of said Quarter to the center of said Quarter; thence down the center of said Quarter to the center of said Quarter; thence following down the center of said Quarter to the East line of said Section 25; thence North along the East line of said Section 25 to the place of beginning; but excluding therefrom the right of way of the Missouri Pacific Railroad, and also excluding therefrom all that part of the North 150 feet of said Section 25, which lies east of said Missouri Pacific Railroad.

TO HAVE AND TO HOLD THE SAME, Together with all and singular the tenements, hereditaments and appurtenances thereto belonging or in any wise appertaining, forever. And said party of the first part, for their heirs, executors or administrators, do hereby covenant, promise and agree to and with said party of the second part, that at the delivery of these presents they are lawfully seized in their own right of an Absolute and indefeasible estate of Inheritance, in fee simple, of and in all and singular the above granted and described premises, with the appurtenances, that the same are free, clear, discharged and unincumbered of and from all former and other grants, titles, charges, estates, judgments, taxes, assessments and incumbrances, of what nature or kind soever;

and that said party of the first part will warrant and forever defend the same unto the said party of the second part, his heirs and assigns, against said party of the first part, his heirs, and all and every person or persons whomsoever, lawfully claiming or to claim the same.

IN WITNESS WHEREOF, The said parties of the first part have hereunto set their hands the day and year first above written.

[Signatures and stamps]
HARRY L. LEVA
LEAH LEVA
WALTER W. BLEVENS
NICHOLSON TITLE CO
CLATHE, MO.
BY _____



311-177

KANSAS ACKNOWLEDGMENT

STATE OF Missouri
County of St. Louis

BEFORE ME, the undersigned, a Notary Public in and for said County and State, came HARRY L. LEVA and LEAH LEVA

who are personally known to me to be the said parties, and they acknowledged the execution of the same.

IN WITNESS WHEREOF, I hereunto subscribed my name of office and official seal at the above place.

My commission expires February 28, 1964

KANSAS AGEN INSTRUMENT

STATE OF MISSOURI
County of JACKSON

BEFORE ME, the undersigned authority, on this _____ day of _____, 19____, personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

My commission expires February 24, 1941

NICHOLSON TITLE CO.
CLATON, KANSAS

Kansas Warranty Deed

Thisindenture, Made this 15th day of August, A. D. the Thousand
Nine Hundred and Twenty

by and between

of County, in the State of Kansas, the first part, and

of County, in the State of Kansas, the second part,
WENDELL T. BAI SARD PART OF THE FIRST PART, as conveyors of the sum

the receipt of which is hereby acknowledged, do by these presents, Grant, Bargain, Sell and Convey
with the usual covenants of the several parts, ~~here and assign with the covenants described~~
real estate situated in the County of Kansas, to

APPENDIX H

RESUMES

EXPERIENCE SUMMARY

Mr. Simpson is a project manager and environmental scientist providing technical and administrative support for clients in the government and private sectors. Project support includes project and task management; technical report writing; quality assurance and quality control for technical documents; environmental field sampling; project planning; preparing and implementing environmental training programs; and client communication.

RELEVANT EXPERIENCE

Due Diligence Assessments

Due Diligence Audits, 1998 – Present. Mr. Simpson has performed and managed numerous Phase I and Phase II environmental site assessments for various clients as part of real estate mergers and acquisitions. Tasks included scheduling and coordinating field activities, reviewing pertinent documentation, and writing detailed reports include conclusions and recommendations.

Phase I Environmental Site Assessments, YRC Freight, 2011 - 2012.

Mr. Simpson managed a large portfolio project completing Phase I Environmental Site Assessments at 65 vacant freight terminals prior to property auctions. The project required assembling a dedicated team to complete field assessments and report completion under a restrictive deadline. Project was completed under budget and with the client's compressed schedule of six weeks.

Phase I Environmental Site Assessment, Canadian National Railway, Sioux City, IA, 2002. Mr. Simpson performed a Phase I Environmental Site Assessment of a rail yard facility and a two-mile rail corridor in Sioux City, IA. Project included a site visit, historical information research and review, report generation. Issues noted involved hazardous material storage and handling practices and former underground storage tanks (USTs) on the property.

Due Diligence Program, General Motors Corporation, 1998 – 2002. Mr. Simpson managed all aspects of Phase I, II, and III environmental assessments at over one hundred automotive dealerships and plant facilities in the United States. Assessments were performed as part of real estate and financial lending programs for a major automotive manufacturer. Most facilities were active automotive dealerships. Common issues noted included: hazardous materials handling, USTs, and below-grade hydraulic lifts in service areas. Many assessments progressed into Phase II and Phase III which included subsurface investigation and contaminant delimitation. In addition, numerous projects transitioned into remediation which usually involved UST or below-grade lift removal and impacted soil excavation and disposal. All projects were completed within expedited schedules and on fixed price budgets.

EDUCATION

B.A., Environmental Studies,
University of Kansas, 1997

AREA OF EXPERTISE

Project management
Technical reporting/review
Field sampling

REGISTRATIONS/ AFFILIATIONS

Certified Hazardous Materials
Manager, 2011-present

TRAINING/ CERTIFICATIONS

40-hour OSHA HAZWOPER
with 8-hour Refreshers
CPR and Standard First Aid

OFFICE

Kansas City, MO

YEARS OF EXPERIENCE

18

CONTACT

816-412-1772
john.simpson@tetrattech.com

Due Diligence Audits Pep Boys, 2000. Mr. Simpson managed the completion of 20 Phase I environmental site assessments prior to an acquisition of a chain of retail auto parts stores. Sites were located throughout the U.S. and Puerto Rico. Typical issues noted at the facilities stemmed from hazardous material storage and handling practices. Project logistics and report production was managed centrally while numerous field staff was utilized based on geographic location. The entire project including reporting was completed within an expedited three week schedule and under budget.

Environmental Compliance and Permitting

Spill Prevention Control and Countermeasure Compliance, Norfolk Southern Railway Company, 2009 – 2016. Mr. Simpson prepares Spill Prevention Control and Countermeasure (SPCC) plans for various railroad facilities that have petroleum products in excess of 1,320 gallons total storage capacity in compliance with Environmental Protection Agency (EPA) regulations. Facilities are inspected for changes every 5 years and plans are updated accordingly.

Storm Water Pollution Prevention, Various Clients, 2009 - Present

Mr. Simpson prepares Storm Water Pollution Prevention Plans (SWPPPs) for various railroad and industrial facilities that have storm water runoff with potential to impair natural bodies of water thereby requiring National Pollution Discharge Elimination System (NPDES) permits issued by EPA or State agencies. Projects include: permit applications and renewals; periodic sampling of storm water runoff during precipitation events; and regular discharge monitoring reporting.

Site Investigation and Remediation

Groundwater Treatment System Installation, South Hutchinson, Kansas, Farmland Bankruptcy Trust, 2014 – 2016. Mr. Simpson managed the installation of a groundwater pump and treat system designed to remove carbon tetrachloride, a common fumigant used in grain elevators, from groundwater in a residential area. The system includes 5 recovery wells and an air stripper capable of 99% destruction efficiency at 150 gallons per minute. Mr. Simpson routinely interfaced with the administrator of the trust, Kansas Department of Health and Environment (KDHE), and subcontractors throughout all aspects of the project.

Soil Remediation, Kansas City, Kansas, RACER Trust, 2013 – 2014. Mr. Simpson managed the on-site activities for a large soil remediation project involving excavation and landfarm treatment of petroleum impacted soil. Over a three month period, approximately 20,000 cubic yards of soil were excavated and placed in an on-site constructed landfarm. Project is currently in the soil treatment phase and soil is to be actively remediated via soil aeration and the addition of nutrient to aid in contaminant degradation.

Groundwater Investigation and Remediation Projects, Norfolk Southern Railroad, 2009 – 2016. Mr. Simpson managed field and reporting tasks for investigation and remediation of impacted groundwater at several railyard sites in several states. Projects involved remediation of petroleum hydrocarbons related to former locomotive fueling operations. Projects ranged in complexity from routine monitoring of natural attenuation to design and installation of free product recovery systems. Also assisted in maintaining compliance with storm water discharge permit requirements.

Groundwater Investigation and Remediation, Kansas City, KS, Magellan Midstream Partners, 2009 – 2012. Mr. Simpson managed operational tasks for a Voluntary Cleanup Investigation and remedial design for impacted groundwater at an active power plant site. Impact to groundwater was the result of a large release from a gasoline pipeline rupture. Project solutions involved active remediation of impacted groundwater and implementation of environmental use controls.

Groundwater Plume Monitoring and Containment, Wichita, KS, Coleman Company, 2007 – 2008. Mr. Simpson managed field and reporting tasks for monitoring and containment of a large chlorinated solvent plume associated with a large manufacturing plant. Work was completed in accordance with KDHE Consent Order. Task managed included coordination with field staff, contractors, and State representatives for operation and maintenance of existing groundwater remediation system, compliance monitoring satisfying NPDES permitting requirements, routine groundwater monitoring and reporting.

Magellan Midstream Partners, Liability Transfer Investigation and Remediation, Kansas City, KS, Magellan Midstream Partners, 2005 – 2007. Mr. Simpson performed field and management tasks associated with a multi-million dollar liability transfer project under TRC's Exit Strategy® program. Project several acres affected by free phase hydrocarbons and dissolved phase groundwater contamination evaluation and remediation system maintenance and design. Maintained compliance with all air and water discharge permits associated with operation of the site's air sparge / soil vapor extraction (AS/SVE) and ground water treatment systems. Managed completion of hydrogeologic testing and evaluation of additional remedial system for future phases of implementation. Regulatory oversight was managed through the KDHE VCPRP.

Site Investigation and Remediation, Halstead and Lovewell, KS, BNSF Railway Company, 2002 - 2009. Mr. Simpson conducted initial site investigations of two former leased properties and delineated areas of soil and/or groundwater impact. Site investigation activities required coordination with nearby adjacent landowners. Upon completion of plume delineation, KDHE approved the implementation of enhanced bioremediation through injection of oxygen producing compounds.

Voluntary Cleanup Investigation, Kansas City, KS, SPX Corporation, 2002 – 2007. Mr. Simpson assisted in all phases of investigation and remedial plan evaluation groundwater contaminations related to an industrial pump manufacturing facility in Kansas City, KS. Contaminants of concern included chlorinated solvents. Regulatory oversight was managed through the KDHE Voluntary Cleanup and Property Redevelopment Program (VCPRP). Proposed remedial actions included in-situ treatment of groundwater and environmental use controls along with groundwater monitoring.

Voluntary Cleanup Investigation, Kansas City, KS, GATX Corporation, 1998 – 2007. Mr. Simpson performed site characterization and soil remediation activities at a former rail operations facility in Kansas City, KS. Contaminants of concern included petroleum hydrocarbons and solvents. Project was accepted into the KDHE VCPRP. Remedial actions included excavation and disposal of impacted soils and long-term monitoring of groundwater conditions.

MRBCA Tier 1 Assessment, Kansas City, MO, Union Pacific Railroad, 2004 – 2005. Mr. Simpson completed a Missouri-Risk Based Corrective Action (MRBCA) Tier 1 Assessment for a former leaking underground storage tank site at an active locomotive service facility. The project was under the guidance of the Tanks Section of the Missouri Department of Natural Resources (MDNR). Mr. Simpson completed the Tier 1 Assessment and acquired NFA from MDNR with minimal investigation required.

Site Characterization Assessment, Kansas City, MO, Union Pacific Railroad, 2002 – 2005. Mr. Simpson completed a site characterization assessment of soil and perched groundwater at an active locomotive service facility. The project was under the guidance of the MDNR Voluntary Cleanup Program. A below ground leak from a journal oil supply line resulted in the loss of approximately 3,000 gallons of journal oil. It was believed that some amount of oil was carried away from the site via the sanitary sewer system. Measurable amounts of oil were detected subsurface soil and a perched water bearing zone. Area of the release was contained within an area of non-native backfill and perched groundwater. Project activities included dissolved total petroleum hydrocarbon (TPH) plume delineation and evaluation of possible remedial options. Based on Mr. Simpson's demonstration of plume stability and lack of potential receptors, the site was closed with No Further Action (NFA) issued by MDNR.

Soil and Groundwater Assessment, Coffeyville, KS, Williams Pipeline Company, 1999. Mr. Simpson completed a soil and groundwater assessment at the location of a former gasoline pipeline release. Site was accepted into the KDHE VCPRP. Objectives included: characterize the soils present in the vicinity of the gasoline leak (source area characterization); characterize the subsurface soils across the remainder of the site to determine if soil impact was present elsewhere at the site; establish a post-remediation baseline of groundwater data at the site for further evaluation of the current levels of groundwater contamination; analyze groundwater for additional analytical parameters such as volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs); verify surface water in the ponds in the vicinity of the site were free of hydrocarbon impact.

Asbestos Surveys and Abatement Consulting

Asbestos Re-inspections, EMBARQ, 2008. Mr. Simpson managed and participated in the completion of asbestos re-inspections for approximately 450 buildings in 14 states. Re-inspections were performed in order to evaluate and document current conditions of known asbestos-containing materials present in company buildings. Project was completed on-time and under budget.

Asbestos Surveys, Duke Energy Gas Transmission, 2005 – 2006. Mr. Simpson performed comprehensive asbestos surveys of various types of buildings. The project encompassed 1,086 buildings, at 118 facilities, located in 14 states and 2 Canadian provinces. Survey tasks included visual inspections, sample collection and damage assessment. The large amount of data was compiled into a versatile database for easy information retrieval. Mr. Simpson also developed a priority ranking system based on potential hazard for human exposure.

Asbestos Condition Assessments, Duke Energy Gas Transmission, 2003 – 2004. Mr. Simpson performed visual assessment of conditions of cement asbestos siding on compressor station buildings. The project encompassed 115 buildings at 45 facilities located in 14 states. Due to the age of the buildings, the client wished to evaluate the condition of the asbestos siding and assess potential for worker exposure. The project was completed on schedule and under budget. Follow-up work continued in the form of air monitoring at the sites and updating the client policies and procedures based on current asbestos regulations.

System-Wide Building Inventory and Asbestos Surveys, Kansas City Southern Railroad, 2002 – 2003. Mr. Simpson completed a system-wide building inventory and asbestos survey. Project included a building inventory collecting GPS coordinates and photographs of each building, and comprehensive asbestos surveys of approximately 500 buildings located in ten states. Surveys included sample collection, material quantification, layout sketches, and photographs. Project documentation was presented in the form of an online electronic database with all building and material data, building drawings, and photographs. Controlled access to the database can be granted to multiple parties in any location. Project was completed on-time and under budget.

Field Sampling Activities / Contractor Oversight

Groundwater Plume Monitoring, West Burlington, IA, BNSF Railway Company, 2002 – 2007. Mr. Simpson worked as part of a team to complete semi-annual groundwater sampling at a former locomotive shop and maintenance facility. Groundwater at the site has been impacted by chlorinated solvents. Site is under regulatory guidance by the EPA. Sampling procedures incorporated "low flow" (<100mL/min.) purge and sample methods. Mr. Simpson also assisted in the completion of an extensive subsurface investigation as part of a RCRA Facility Investigation (RFI) as well as other tasks including mapping and inspecting industrial sewers at the facility using smoke and dye testing.

Industrial Sewer inspection and Cleaning, Lemont, IL, Citgo Petroleum Corporation, 2006. Mr. Simpson supervised crews in the video inspection and cleaning of industrial sewers a large petroleum refinery. He was responsible for coordinating with plant security and safety personnel as well as providing routine progress updates to the client.

Residential Surface Soil Sampling, Hastings, NE, US Army Corps of Engineers, 2000 – 2001. Mr. Simpson performed surface soil sampling for the United States Army Corps of Engineers at the former Blaine Naval Ammunition Depot. The scope of the project included conducted shallow surface soil sampling activities at twenty-four residential properties formerly used for processing and assembling ammunition and explosives. Each property was sectioned into grid patterns and composite samples were collected. Follow-up sampling included discreet sampling of individual aliquots that were above Nebraska Department of Environmental Quality (NDEQ) site-specific maximum contaminant levels for carcinogenic polycyclic aromatic hydrocarbons (cPAHs).

Groundwater Plume Monitoring and Feasibility Study, Lawrence KS, FMC Corporation, 1998 – 2002. Mr. Simpson assisted in the investigation and monitoring of large arsenic contaminated groundwater plume for a phosphorous chemical facility. The site was regulated under Consent Order by the KDHE. Mr. Simpson assisted in the completion of the Comprehensive Investigation/Corrective Action Study (CI/CAS) and Feasibility Study (FS) evaluating appropriate remedial technologies.

EMPLOYMENT HISTORY

2016 – Present Environmental Scientist/Project Manager, Tetra Tech, Inc., Kansas City, Missouri

2009 – 2016 Project Manager, Cardno, Inc. Lenexa, Kansas

2008 – 2009 Project Manager, Occu-Tec, Kansas City, Missouri

2007 – 2008 Task Manager, ARCADIS, Lenexa, Kansas

2002 – 2007 Environmental Scientist, TRC Environmental Corporation, Kansas City, Missouri

1998 – 2002 Environmental Scientist, IT Corporation, Overland Park, Kansas

EXPERIENCE SUMMARY

Josh has gained a variety of experience in his few years in the environmental field including site assessment and reporting, groundwater, soil, and air sampling, remedial system design and maintenance, endangered species surveys, and habitat vegetation surveys.

RELEVANT EXPERIENCE

Phase I / Phase II Brownfields Assessments

Josh has worked closely with state regulators to provide assessment services for sites participating in state and national Brownfields programs. Specific projects are detailed below:

Lenexa Phase I Brownfields Assessments, KDHE, 2016. Joshua was the lead scientist conducting two (2) simultaneous Phase I Brownfields Assessments for the Kansas Department of Health & Environment. These sites had previously been used as an unregulated construction materials disposal dump. In addition, the sites were also significantly undermined due to regional limestone and rock mining efforts. Joshua's expertise and research led to a Phase II recommendation that will ensure proper environmental due diligence prior to redevelopment.

Moundridge Municipal Airport Phase II, KDHE, 2016. Joshua was the lead field scientist and report writer for a Phase II assessment of property owned by the City of Moundridge. Josh discovered, during the Phase I assessment, that there was potential for subsurface petroleum impacts due to current and historical regional oil drilling activities. Joshua provided expertise in the field to ensure proper soil logging and sampling procedures were met. Joshua also was responsible for the preparation of the Phase II report that recommended no further assessment action. The property is targeted for commercial redevelopment that will benefit the community around the City of Moundridge.

Groundwater / Soil / Air Sampling

Former Sealright Manufacturing. Sevee & Maher Engineers, 2014-2016. Joshua was the lead field scientist in the collection of groundwater samples from a TCE impacted site in Kansas City, Kansas participating in a Voluntary Cleanup Program. Joshua was able to provide expertise in "Low-Flow" sample methodology that helps determine the effectiveness of remedial systems. In addition to the groundwater sampling, Joshua was also able to participate in sub-surface bioremediation injections as a remedial measure for the chlorinated solvent contamination.

EDUCATION

- B.A. Biology
University of Missouri
Kansas City - 2014

AREAS OF EXPERTISE

- Site Assessment
- Groundwater/Soil/Vapor
Sampling

KEY TRAINING/ CERTIFICATIONS

- OSHA 40 Hour Hazwoper
- OSHA 8 Hour Refresher

OFFICE

Kansas City, Missouri

YEARS OF EXPERIENCE

2.5

CONTACT

816.412.1777

Josh.Mellema@tetrattech.com

Former Schilling Air Force Base. Dragun Corporation, 2015-2016. Joshua participated in sub-slab air port installation and sampling of a chlorinated solvent impacted site in Salina, Kansas. Joshua was able to gain experience conducting air sampling as well as the design and installation of sub-slab vapor ports. Joshua also provided technical oversight of drilling contractors in the installation of bedrock groundwater wells in connection with this site.

Endangered Species Surveys / Habitat Vegetation Surveys

Prairie Chicken Surveys. Mull Drilling Company. 2015. Joshua was able to use his background in Biology to provide surveys of the Lesser Prairie Chicken population in central and western Kansas. These surveys included the identification of species by call, as well as GPS and compass triangulation of lekking groups. In connection with the surveys, Joshua was able to provide habitat vegetation surveys to estimate potential mitigation fees connected with drilling activities.

ADDITIONAL EXPERIENCE

Software

- Microsoft Office
- ArcGIS
- Google Earth Pro
- EDR Parcel Platform

Equipment

- Trimble GPS
- Horriba/YSI Water Quality Meters
- Veloci-Calc Anemometer
- Peristaltic Pumps
- Submersible Pumps
- Hanna/LaMotte Turbidity Meters
- Hach Colorimeter
- InnovX XRF Analyzer

Sampling Procedures

- Low-Flow
- Diffusion Bags (HydraSleeve)
- ¼ Gallon Bailer
- Terra Core
- Sup-Slab Vapor (Summa Can)

EMPLOYMENT HISTORY

- 2014 – 2016 Environmental Scientist, GSI Engineering, Lenexa, Kansas
- 2016 – Present Environmental Scientist, Tetra Tech EMI, Kansas City, Kansas