TETRA TECH

April 18, 2018

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

Subject: **Targeted Brownfields Assessment – Phase I Environmental Site Assessment**
Mead Hansen Building, 408 S. 8th Street, St. Joseph, Buchanan County, Missouri
U.S. EPA Region 7, START 4, Contract No. EP S7 13 06, Task Order No. 0002.043
Task Monitor: Todd Davis, Site Assessment Manager

Dear Mr. Davis:

Tetra Tech, Inc. is submitting the enclosed Targeted Brownfields Assessment (TBA) Phase I Environmental Site Assessment (ESA) report regarding the Mead Hansen Building site (the Site) at 408 S 8th Street, St. Joseph, Buchanan County, Missouri. The goal of the TBA Phase I ESA is to identify recognized environmental conditions (REC), historical RECs, and controlled RECs associated with the subject property. This TBA Phase I ESA was completed in accordance with industry standard practice for Phase I ESAs.

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

Sincerely,

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Enclosures

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

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TARGETED BROWNFIELDS ASSESSMENT
PHASE I ENVIRONMENTAL SITE ASSESSMENT

MEAD HANSEN BUILDING
408 S. 8TH STREET
ST. JOSEPH, MISSOURI

Superfund Technical Assessment and Response Team (START) 4 Contract
Contract No. EP-S7-13-06, Task Order 0002.043

Prepared For:

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

April 18, 2018

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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 Targeted Brownfields Assessment (TBA) Phase I Environmental Site Assessment (ESA), a Phase II TBA, and surveys for asbestos and lead-based paint at the Mead Hansen Building property (subject property), at 408 and 424 South 8th Street in St. Joseph, Buchanan County, Missouri. The Mo-Kan Regional Council in St. Joseph, Missouri requested EPA to perform Phase I and Phase II TBAs, as well as asbestos and lead-based paint surveys at the subject property.

The subject property is currently unoccupied and includes one building and an asphalt parking area. The subject property has historically been occupied by a lumberyard, a car dealership, and service garage. The most recent usage of the subject property was as a chemical mixing and storage facility for HPI Products.

START generally conducted this Phase I 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 Phase I 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:

Review of Environmental Data Resources, Inc. (EDR) findings identified the following RECs to the subject property:

- The subject property (408 South 8th Street) is listed in the Superfund, Federal Facility, Brownfields Voluntary Cleanup Program (BVCP) and Missouri's other state response programs (SMARS) database due to its listing in the Voluntary Cleanup Program (VCP) (SM Number 12703). No further information was provided by EDR. The subject property (424 South 8th Street) is also listed in the Superfund Enterprise Management System (SEMS) and Resource Conservation and Recovery Act (RCRA) Non-Generators/No Longer Regulated (NonGen/NLR) databases. The subject property is not on the National Priorities List (NPL) and is a removal only

site (no site assessment work needed). The facility was historically a Large Quantity Generator (LQG) of ignitable waste, corrosive waste, arsenic, chromium, and volatile organic compounds (VOC). The facility received violations and enforcement actions from 2007 to 2012. The facility was also on the EPA Watch List (RCRA facilities) in 2012 and 2013. According to the Phase I ESA report by Seagull Environmental Technologies, Inc. (Seagull) in 2016, a multimedia inspection by EPA had revealed improper storage and handling of chemicals, including more than 300 containers of various materials throughout the building. These listings pose a REC to the subject property based on historical improper handling of chemicals on the subject property.

Review of historical documentation identified the following RECs to the subject property:

- Review of Sanborn® maps depicted the subject property developed as early as 1883 with residential dwellings and a furniture factory. From 1949 to 1969, the subject property was depicted as a used auto sales and service facility. Surrounding properties were developed with various auto service and repair facilities from 1949 to 1969. Presence of auto service facilities on the subject property and surrounding properties poses a REC to the subject property.

- Review of city directories identified the subject property address (424 S 8th Street) as Hansen-Mead Motor Co used cars from 1957 to 1970 and as HPI Products Inc. in 1995. Areas surrounding the subject property have been used primarily for auto sales and service from 1946 to at least 1990. Presence of auto service facilities on the subject property and surrounding properties poses a REC to the subject property.

- Records provided by the St. Joseph Fire Department document improper storage of chemicals, poor housekeeping, and illegal wastewater discharge at the subject property from as early as 1990 until at least 2003. Historical improper storage of chemicals, poor housekeeping, and illegal wastewater discharges pose a REC to the subject property.

Multiple investigations have occurred at the subject property. The most recent Phase II TBA was performed in conjunction with this Phase I TBA. Results of sampling during the Phase II TBA indicated only minimal detections of contaminants in surface soil, subsurface soil, and groundwater at the subject property. Most notable were detections of metals in all media at concentrations exceeding one or more EPA or Missouri Department of Natural Resources (MDNR) screening levels. All metals detected are naturally occurring, and many reported concentrations were below U.S. Geological Survey **(**USGS)-established mean background concentrations in Buchanan County, Missouri. Other than the metals detections, only one subsurface soil sample contained concentrations of volatile organic compounds (VOC), and one groundwater sample contained a total petroleum hydrocarbons (TPH) – diesel-range organics (DRO) concentration exceeding the Missouri Risk-Based Corrective Action (MRBCA) Default Target Level (DTL). Samples collected from floor drains and floor sweepings contained a larger number of contaminants including VOCs, semivolatile organic compounds (SVOC), pesticides, herbicides, TPH, metals, nitrate, and sulfate.

A hazardous materials survey was also completed in conjunction with this ESA. The following instances of asbestos-containing materials (ACM) and lead-based paint (LBP) were identified in the subject property building:

ACM

- Regulated ACM was identified in 9" X 9" tan floor tile (approximately 20 square feet [ft^2]) at the south entrance stairs.
- Regulated ACM was identified in square pattern linoleum (approximately 50 ft^2) at the east entryway.
- Regulated ACM was identified in exterior boiler insulation (approximately 150 ft^2) at the basement on the south boiler.
- Regulated ACM was identified in transite panels (approximately 430 ft^2) on the east side of the exterior of the building.
- Regulated ACM was identified in exterior wall panel mastic (approximately 150 ft^2) on the east side of the exterior of the building under plastic panels.
- Regulated ACM was identified in aircell pipe insulation (approximately 530 ft^2) in the basement and manufacturing area.
- Regulated ACM was identified in piping joint insulation (approximately 12" joint) in the basement.

LBP

- The tan painted wood door frame in the south/front entryway office tested positive for LBP with an x-ray fluorescence (XRF) spectrometer reading of 5.0 milligrams per square centimeter (mg/cm^2).
- The blue painted wood door in the south/front entryway office tested positive for LBP with an XRF spectrometer reading of 5.0 mg/cm^2.
- The blue painted wood door in the men's bathroom in the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.01 mg/cm^2.
- The blue painted wood garage door of the interior of the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.05 mg/cm^2.
- The cream-painted exterior garage door frame on the south side of the building tested positive for LBP with XRF spectrometer readings of 2.14 and 2.46 mg/cm^2.
- Green-painted panels on the northeast exterior of the building tested positive for LBP with XRF spectrometer readings of 4.13, 1.84, and 2.20 mg/cm^2.

Recommendations

Based on results of this Phase I TBA, the subject property has been impacted by past and current industrial uses on the subject property. Anticipated future use of the subject property is a parking lot for the adjacent St. Joseph Fire Department. Based on this anticipated future use, as well as natures and levels of analytes detected in soil and groundwater at the subject property, no active remediation may be necessary. MDNR may require formal enrollment of the subject property in the BVCP before evaluating the subject property. The MDNR BVCP likely would require preparation of a Risk Management Plan specifying controls implemented to limit exposure to identified contaminants.

START recommends removal of identified ACM by a licensed asbestos abatement contractor before any renovation work or demolition disturbs the materials. The removed waste must be transported to a disposal site able to accept friable and non-friable ACM. If the building is to be renovated and the materials are not to be disturbed, those materials may remain in place.

If the LBP surfaces are to be impacted during renovations or demolition, START recommends that the contractor conducting the renovations or demolition comply with the Occupational Safety and Health Administration (OSHA) Lead in Construction Standard, 29 CFR 1926.62. If the materials containing LBP are removed during renovation activities, a sample should be collected from the debris pile for Toxicity Characteristic Leaching Procedure (TCLP) analysis (40 CFR 261.24); representative samples should be collected and analyzed for all eight RCRA metals noted in 40 CFR 261.24 (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). This would determine the proper method of disposal of the materials. The renovation contractor must also remove peeling and chipping paint from any damaged LBP surfaces on these walls at the subject property prior to demolition or remodeling.

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 Targeted Brownfields Assessment (TBA) Phase I Environmental Site Assessment (ESA), a Phase II ESA, and surveys for asbestos and lead-based paint (LBP) at the Mead Hansen Building property (subject property), at 408 and 424 South 8th Street in St. Joseph, Buchanan County, Missouri. The Mo-Kan Regional Council in St. Joseph, Missouri requested EPA to perform Phase I and Phase II TBAs, as well as asbestos and LBP surveys at the subject property.

The subject property is currently unoccupied and includes one building and an asphalt parking area. The subject property has historically been occupied by a lumberyard, a car dealership, and service garage. The most recent usage of the subject property was as a chemical mixing and storage facility for HPI Products.

START conducted this Phase I 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 Phase I TBA, the *users* are defined as Mo-Kan Regional Council and the St. Joseph Fire Department (ASTM 2013 [Section 3.2.98]). EPA tasked START to conduct a Phase I TBA of the subject property to identify recognized environmental conditions (REC), historical RECs (HREC), and controlled RECs (CREC) to the subject property, and to identify the nature of contamination and risks posed by the contamination, if present (see Appendix A).

1.1 PURPOSE

A primary goal of this Phase I TBA is to identify RECs, HRECs, and CRECs to the subject property. A REC is presence or likely presence of any hazardous substance or petroleum product 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 substance or petroleum product 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 imposition on the subject property of any required controls (ASTM 2013 [Section 3.2.42]). A CREC is a REC resulting from past release of hazardous substances or petroleum products 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 Phase I 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 Phase I 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 included as 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 Tetra Tech Environmental Professional (EP) has conducted an analysis of the data gaps or failures, and impacts of these on Tetra Tech'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. Documentation and observations indicate that the subject property has been used as a lumberyard, automotive dealership, automotive repair shop, and a chemical mixing/storage facility. The EP believes that presence of time gaps does not impact ability to render an opinion regarding RECs.

- 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. Although the property is vacant and presence of graffiti and trash indicates uncontrolled access, the EP believes that information obtained from other adjacent property owners or occupants likely would not be additional to that obtained from other resources.

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 that may be conveyed 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 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 discovery and elimination of hazards that could cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or 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 Phase I 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 Phase I TBA. For this Phase I TBA, EPA Region 7, Mo-Kan Regional Council and the St. Joseph Fire Department may rely on information provided unless knowledge is possessed that certain information is incorrect based on additional information obtained during the Phase I 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, current facility owners, 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

The subject property is at 408 and 424 South 8th Street in downtown St. Joseph, Buchanan County, Missouri. The subject property encompasses 0.71 acre and is occupied by a vacant industrial building with an asphalt parking lot on the north-central portion.

The subject property is included on the St. Joseph North, Missouri, U.S. Geological Survey (USGS) 7.5- minute topographic series map (USGS 1997) (see Appendix B, Figure 1). The subject property is in the southwest quarter of Section 8, Township 57 North, Range 35 West. Coordinates at the approximate center of the subject property are 39.7637690 degrees north latitude and 94.8510450 degrees west longitude. The parcel identification number for the subject property is 06-3.0-08-004-003-055.000 (Buchanan County [BC] Geographic Information System Website 2018).

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The 0.71- acre subject property, within a mixed-use commercial and industrial area, is occupied by a vacant industrial building with an asphalt parking lot on the north-central portion. The subject property is bounded north by an imported foods and beauty supply store with Sylvanie Street beyond, east by South 8th Street with the International Brotherhood of Electrical Workers building and metal service shop beyond, south by Angelique Street and a motor shop beyond, and west by an alleyway with an auto repair shop, vacant lot, and St. Joseph Fire Department beyond.

2.3 CURRENT AND PAST USES OF THE SITE

Based on a review of historical sources, the subject property was developed as early as 1883. The subject property is occupied by a vacant industrial building and an asphalt parking lot in downtown St. Joseph, Missouri. Historical documents and interviews indicate the subject property was previously occupied by a lumberyard, residential dwellings, car dealership and service garage, and jewelry store; and most recently, a storage/dry chemical mixing facility for HPI Products—a contract packaging, liquid, dry and

formulation service to agricultural, industrial, detergent, and chemical markets (Seagull Environmental Technologies, Inc. [Seagull] 2016).

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

The subject property hosts a vacant industrial building with an asphalt parking lot. The subject property has access to municipal utilities, including electricity, gas, water, and sewer.

2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES

The subject property is bounded north by an imported foods and beauty supply store with Sylvanie Street beyond, east by South 8th Street with the International Brotherhood of Electrical Workers building and metal service shop beyond, south by Angelique Street and a motor shop beyond, and west by an alleyway with an auto repair shop, vacant lot, and St. Joseph Fire Department beyond.

According to a review of historical documents, the area surrounding the subject property has been used for commercial and industrial purposes.

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 included on the St. Joseph North, Missouri, U.S. Geological Survey (USGS) 7.5 minute topographic series map (USGS 1997) (see Appendix B, Figure 1). The subject property is approximately 850 feet above mean sea level. The topographic gradient of the area is generally west-southwest (Environmental Data Resources, Inc. [EDR] 2018a). At the subject property, the topographic gradient and overall slope are generally to the west-southwest.

2.6.2 Geologic Setting

The subject property is in Buchanan County in northwest Missouri. Soils at the subject property predominantly are urban land, bottomland soils (U.S. Department of Agriculture [USDA] 2018). Urban land soils have generally been modified by disturbance of the natural layers. The subject property is between the Missouri and Mississippi River Alluvium and Northwestern Missouri Groundwater Provinces. The subject property lies at the boundary of the Missouri River's 500-year floodplain.

Geology in the region is generally characterized by unconsolidated alluvial deposits that overlie Pennsylvanian-aged bedrock of the Lansing Group, which consists primarily of limestone and shale.

2.6.3 Hydrogeology

Groundwater in the subject property area likely flows west-southwest (following the topographic gradient) toward the Missouri River. Depth to groundwater in the subject property area is believed to range from 20 to 30 feet below ground surface (bgs). Potable water in the subject property area is supplied by Missouri American Water, and is obtained from groundwater sources along the Missouri River north of St. Joseph.

2.6.4 Hydrology

Runoff from precipitation at the subject property likely flows over paved surfaces toward the south, where it is directed into stormwater drains along roadways.

3.0 USER-PROVIDED INFORMATION

The following section summarizes information regarding the TBA provided by EPA Region 7, Mo-Kan Regional Council and the St. Joseph Fire Department (users), and current owners of the subject property (St. Joseph Properties LLC).

3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS

The subject property hosts one vacant industrial building and an asphalt parking lot on the north-central portion of the property. Drawings of the building were not provided.

3.2 SUMMARY OF TITLE INFORMATION

The subject property is owned by St. Joseph Properties LLC. A copy of the current deed was not provided by St. Joseph Properties LLC. A chain of title search was performed and is summarized in Section 6.2.1.

3.3 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No environmental liens or activity and use limitations (AUL) were identified by START in the information provided.

3.4 SPECIALIZED KNOWLEDGE

Several investigations have occurred at the subject property, and are discussed in Section 6.2.6.

3.5 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION

The subject property is owned by Mr. Bob Garvey, St. Joseph Properties LLC, represented by Mr. Bob Garvey. The subject property currently hosts a vacant industrial building. Mr. Mike Dalsing, St. Joseph Fire Department is considered the key site manager of the subject property.

3.6 REASON FOR PERFORMING PHASE I TBA

EPA requested this TBA for the City of St. Joseph to provide an environmental assessment of the subject 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).

4.0 SITE RECONNAISSANCE

START member Mr. John Simpson conducted the site reconnaissance from January 22 through 26, 2018, coinciding with the Phase II TBA. Access to the property was provided by Mr. Bob Garvey. Photographic documentation of the site reconnaissance is in Appendix C. Photographs obtained during the Phase II TBA and hazardous materials survey are also in Appendix C.

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. 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
- Aboveground storage tanks (AST), 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 and obtain additional information relevant to the Phase I ESA. START also observed 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 Site Description

The 0.71-acre subject property is occupied by a vacant industrial building with an asphalt parking lot on the north-central portion. The subject property is bounded north by an imported foods and beauty supply store with Sylvanie Street beyond, east by South 8th Street with the International Brotherhood of Electrical Workers building and metal service shop beyond, south by Angelique Street and a motor shop beyond, and west by an alleyway with an auto repair shop, vacant lot, and St. Joseph Fire Department beyond. Figure 2 in Appendix B illustrates the subject property location and boundaries. The area surrounding the subject property is primarily commercial.

4.2.2 Exterior Observations

The subject property hosts one vacant industrial building and an asphalt parking lot on the north-central portion of the property. Access to the building is from South 8th Street. The building is constructed with brick walls and a concrete foundation.

4.2.3 Interior Observations

The site reconnaissance included interior observations of the structure on the subject property. The Mead Hansen Building is a two-story building with a basement. The building has been unoccupied for several years and is in dilapidated condition. The first floor of the building includes a garage/manufacturing area, offices, a lobby area, and several closets. A staircase on the west side of the first floor leads to a ground floor. The ground floor also includes a garage that was also used a repair shop. The ground floor has several overhead garage doors, an office, and restrooms. The ground floor has a ramp that leads to the basement. In the basement are a boiler, hot water heater, and several storage rooms. Interior finishes include plaster and drywall walls, lay-in ceiling tiles, linoleum flooring, vinyl floor tile, and asbestos-containing pipe insulation.

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

No hazardous substances or petroleum products were observed on the subject property at the time of 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

No visual evidence of landfills, dumps, burials, or solid waste disposal was apparent during the site reconnaissance.

4.3.4 Storage Tanks

Underground Storage Tanks (UST)

No visual evidence of past or present on-site USTs—including pipes, pumps, or stains—was apparent during the site reconnaissance.

Aboveground Storage Tanks (AST)

One approximately 1,000-gallon stainless steel AST was observed during the site reconnaissance. The AST appeared to be empty, and no evidence of leakage was observed. Presence of the AST does not pose a REC to the subject property.

4.3.5 Polychlorinated Biphenyls-containing Equipment

No equipment potentially containing PCBs was observed on the subject property during the site reconnaissance.

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

A boiler was observed in the basement of the subject property building during the site reconnaissance. Presence of the boiler does not pose a REC to the subject property.

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

Several floor drains were observed on the second floor of the building during the site reconnaissance. Assumedly, the floor drains discharge to the sanitary sewer. No evidence of dumping or discharge of hazardous materials to the drains was observed during the site reconnaissance. Presence of the floor drains does not pose a REC to the subject property.

4.3.8 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons were observed during the site reconnaissance.

4.3.9 Stains or Corrosion and Stained Soil or Pavement

No corrosion or stained soil was observed, and no stained pavement was observed during the site reconnaissance.

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

No fill, grading, or solid waste disposal was apparent during the site reconnaissance.

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

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

4.3.13 Wastewater and Stormwater Systems and Discharges

Stormwater at the subject property either infiltrates the ground or flows to stormwater drains on surrounding streets.

4.3.14 Wells and Potable Water Supply

No dry, irrigation, injection, abandoned, or other potable water supply wells were observed on the subject property. A monitoring well was observed in the alleyway west of the subject property.

4.3.15 Lead-based Paint

ASTM Practice E 1527-13 does not require a survey or testing for presence of LBP. Tetra Tech performed a LBP survey in December 2017 (Tetra Tech 2018a). Of the 72 XRF readings obtained from painted surfaces and suspect lead-containing materials in the building on the subject property, nine indicated reportable lead concentrations exceeding 1.0 milligrams per square centimeter (mg/cm^2):

- The tan painted wood door frame in the south/front entryway office tested positive for LBP with an x-ray fluorescence (XRF) spectrometer reading of 5.0 mg/cm^2.
- The blue painted wood door in the south/front entryway office tested positive for LBP with an XRF spectrometer reading of 5.0 mg/cm^2.
- The blue painted wood door in the men's bathroom in the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.01 mg/cm^2.
- The blue painted wood garage door of the interior of the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.05 mg/cm^2.
- The cream-painted exterior garage door frame on the south side of the building tested positive for LBP with XRF spectrometer readings of 2.14 and 2.46 mg/cm^2.
- Green-painted panels on the northeast exterior of the building tested positive for LBP with an XRF spectrometer readings of 4.13, 1.84, and 2.20 mg/cm^2.

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. Tetra Tech performed an asbestos survey in December 2017 (Tetra Tech 2018a). The following ACBMs were identified:

- Regulated asbestos-containing material (ACM) was identified in 9" X 9" tan floor tile (approximately 20 square feet [ft^2]) at the south entrance stairs. The floor tile was represented by samples FT-1, -2, and -3. Laboratory results indicated that the floor tile contained 2 percent chrysotile asbestos.
- Regulated ACM was identified in square pattern linoleum (approximately 50 ft^2) at the east entryway. The linoleum was represented by samples LIN-1, -2, and -3. Laboratory results indicated that the linoleum contained 15 percent chrysotile asbestos.
- Regulated ACM was identified in exterior boiler insulation (approximately 150 ft^2) at the basement on the south boiler. The insulation was represented by samples IN-1, -2, and -3. Laboratory results indicated that the insulation contained 10 percent chrysotile asbestos.

- Regulated ACM was identified in transite panels (approximately 430 ft^2) on the east side of the exterior of the building. The transite was represented by samples Transite-1, -2, and -3. Laboratory results indicated that the transite panels contained 20 percent chrysotile asbestos.

- Regulated ACM was identified in exterior wall panel mastic (approximately 150 ft^2) on the east side of the exterior of the building under plastic panels. The mastic was represented by samples WM1-1, -2, and -3. Laboratory results indicated that the mastic contained 10 percent chrysotile asbestos.

- Regulated ACM was identified in aircell pipe insulation (approximately 530 ft^2) in the basement and manufacturing area. The aircell pipe insulation was represented by samples Airocell-1, -2, and -3. Laboratory results indicated that the aircell pipe insulation contained 30 percent chrysotile asbestos.

- Regulated ACM was identified in piping joint insulation (approximately 12" joint) in the basement. The joint insulation was represented by samples J-1, -2, and -3. Laboratory results indicated that the joint insulation contained 30 percent chrysotile asbestos.

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 area surrounding the site is primarily occupied by commercial and industrial properties. The subject property is bounded north by an imported foods and beauty supply store with Sylvanie Street beyond, east by South 8th Street with the International Brotherhood of Electrical Workers building and metal service shop beyond, south by Angelique Street and a motor shop beyond, and west by an alleyway with an auto repair shop, vacant lot, and St. Joseph Fire Department beyond.

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 and in written form, as indicated below. Interviewees were cooperative and forthcoming with information, unless otherwise specified. Interview documentation is in Appendix D.

5.1 INTERVIEW WITH OWNER

The subject property is owned by St. Joseph Properties LLC. However, Mr. Mike Dalsing, St. Joseph Fire Department, who is familiar with the property, completed a user questionnaire pertaining to the subject property. According to Mr. Dalsing, the original use of the subject property building was as a car dealership. The subject property is currently vacant, but most recently, the building was used for chemical storage and herbicide mixing. Mr. Dalsing also noted presence of monitoring wells in the alleyway; however he did not know why the wells were installed. The completed user questionnaire is in Appendix D.

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

5.2 INTERVIEWS WITH KEY SITE MANAGER

Mr. Dalsing is considered the key site manager of the subject property, and was interviewed as described above.

5.3 INTERVIEWS WITH CURRENT OCCUPANTS

Because the subject property is currently unoccupied, interviews with current occupants did not occur.

5.4 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS

No interviews were conducted with past subject property owners or occupants, as they probably would not have provided information to Tetra Tech already provided by other sources.

5.5 INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS

Tetra Tech submitted a request to the St. Joseph Fire Department to determine if the subject property or nearby properties are listed in past or present records for actual or potential environmental impacts, or are under investigation for environmental impacts. Mr. Steve Henrichson, St. Joseph Fire Department, sent available records pertaining to the subject property. The records included a notice of violation from the St. Joseph Director of Public Works and Transportation regarding failure to comply with zero discharge requirements—the facility was discharging process water into the city's sewer during an inspection by the City on August 20, 2003, and sampling during the inspection identified chlorpyrifos and xylene in the discharged wastewater. The St. Joseph Fire Department issued a code violation warning on December 14, 2006, regarding improper chemical storage. An inspection report from the St. Joseph Fire Department, dated January 23, 1990, indicated various code violations mostly related to improper chemical storage. A police report dated April 21, 1990, was also provided regarding improper chemical storage and spilled chemicals identified when a police officer entered the building following a report of an open, unsecured door. It was determined that the facility was owned by HPI Products, and the police report was forwarded to the Fire Department, the Health Department, and the Director of Finance for further inspections. The records are in Appendix D.

During the Phase I ESA by Seagull in 2016, Mr. Kevin Snowden of EPA's Region 7 Air and Waste Management Division (AWMD) was interviewed to discuss the HPI Products South 8th Street site (CERCLA number MON000705793). An EPA investigation had been prompted by improper storage and handling of chemicals at the subject property and other locations owned by HPI Products, Inc., in St. Joseph. According to Mr. Snowden, all chemical containers from the building had been removed for proper disposal, and HPI Products had entered a consent decree in 2012. Mr. Snowden stated that he was unaware of any illegal dumping by HPI Products (Seagull 2016).

Historical improper storage of chemicals, poor housekeeping, and illegal wastewater discharges from as early as 1990 to at least as late as 2003 pose RECs to the subject property.

6.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify RECs to 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 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, instances of data out of date and no longer reflective of actual facility conditions have been reported. 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 pages 22 through 25 of Appendix E.

Facilities cited in the environmental database are summarized in Table 6-1. The subject property is listed in the Superfund, Federal Facility, Brownfields Voluntary Cleanup Program, and Missouri's other state response programs (SMARS), Superfund Enterprise Management System (SEMS), and Resource Conservation and Recovery Act (RCRA) Non-Generators/No Longer Regulated (NonGen/NLR). These listings are discussed in Table 6-2.

EDR also identified two database listings of "non-geocoded" or "orphan" facilities that, because of poor or inadequate address information, could not be mapped by EDR.

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			
SEMS	0.50	Yes	3
SEMS-ARCHIVE	0.50	No	6
RCRA-SQG	0.25	No	2
RCRA-CESQG	0.25	No	2
State and Local Records			
MO SHWS	1.00	No	1
MO LUST	0.50	No	11
MO UST	0.25	No	9
MO AUL	0.50	No	3
MO VCP	0.50	No	8
MO SMARS	0.50	Yes	17
MO BROWNFIELDS	0.50	No	3
Additional Environmental Records			
US BROWNFIELDS	0.50	No	12
MO SWRCY	0.50	No	1
RCRA-NonGen/NLR	0.25	Yes	18
CONSENT	1.00	No	1
EDR MGP	1.00	No	2
EDR Hist Auto Stat	0.125	No	1
Total Number of Database Listings*			101

Notes:

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

AUL	Activity and Use Limitation
BROWNFIELDS	Brownfields Inventory Listing
CESQG	Conditionally Exempt Small Quantity Generator
CONSENT	Superfund Consent Decrees
Hist	Historical
LUST	Leaking Underground Storage Tank
MGP	Manufactured Gas Plant
MO	Missouri
NonGen/NLR	Non Generators/No Longer Regulated
RCRA	Resource Conservation and Recovery Act
SEMS	Superfund Enterprise Management System
SHWS	State Hazardous Waste Sites
SMARS	Superfund, Federal Facility, Brownfields Voluntary Cleanup Program, and Missouri's other state response programs
SQG	Small Quantity Generator
Stat	Station
SWRCY	Solid Waste Recycling Facilities
US	United States
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program

START reviewed the facilities listed within the EDR Report (EDR 2018a), 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	408 S 8th Street	NA	Mead Hansen Building	SMARS	The facility is listed in the VCP (SM Number 12703). No further information was provided by EDR; see previous reports discussion in Section 6.2.6.	Yes (status)
TP	424 S 8th Street	NA	HPI South Eighth Street	SEMS	The facility is not on the NPL and is a removal only site (no site assessment work needed). No further information was provided by EDR; see previous reports discussion in Section 6.2.6.	Yes (status)
TP	424 S 8th Street	NA	HPI Products Inc.	RCRA NonGen/NLR	The facility was historically an LQG of ignitable waste, corrosive waste, arsenic, chromium, and VOCs; the facility received violations and enforcement actions from 2007 to 2012. The facility was also on the EPA Watch List (RCRA facilities) in 2012 and 2013.	Yes (status)
<0.125	401 S 7th Street	West-Northwest	Central Fire Station	MO LUST	The leak was discovered in 1999 during removal; soil contamination was limited to the tank pit, and groundwater monitoring determined that groundwater had not been impacted by the leak. The facility received an NFA on July 22, 2004.	No (status, hydrologically downgradient)
				MO UST	One 850-gallon gasoline and one 300-gallon diesel UST were removed in 1998.	

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)
<0.125	401 S 7th Street	West-Northwest	City of St. Joseph Central Fire Station	RCRA NonGen/NLR	No violations reported.	No (status, hydrologically downgradient)
<0.125	401 S 7th Street	West-Northwest	St. Joseph Fire Truck Parking Garage	MO SMARS	The facility is listed on the VCP (SM Number 12611). No further information was provided by EDR. According to the Phase I ESA of the subject property from 2016, a Phase II ESA was performed at this facility, and no analyte concentration in a soil or groundwater sample was found to exceed a MRBCA DTL.	No (status, hydrologically downgradient)
<0.125	302 S 8th Street	North	Girner Oldsmobile Inc	EDR Hist Auto	Listed as a gas station in 1977. The facility was not identified in any other database that would indicate a release.	No (hydrologically crossgradient)
<0.125	701 Messanie Street	South-Southwest	Mercury-Military Museum	SEMS-ARCHIVE	The facility is not on the NPL and is a removal only site (no site assessment work needed).	No (hydrologically downgradient)
<0.125	521 S 6th Street	West-Southwest	Bix Service (Former)	MO VCP MO BROWNFIELDS MO SMARS	The site has been developed since approximately 1883. Past uses include a radiator repair shop, battery service shop, paint and auto body repair, and furniture stripping and refinishing. The site received a certificate of completion on April 5, 2011.	No (status, hydrologically downgradient)
<0.125	317 S 9th Street	East-Northeast	Federal Express Corp	RCRA NonGen/NLR	No violations reported.	No (status)
0.125-0.25	501 Sylvanie	West-Northwest	Sunshine Electronic Display	RCRA NonGen/NLR	No violations reported.	No (status, hydrologically downgradient)

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)
0.125-0.25	501 Sylvanie	West-Northwest	Sunshine Electronic Display Corporation	MO AUL MO VCP MO SMARS	The site had several uses between 1889 and 1979 including a hotel, photography companies, photographic chemicals company, auto repair garages, paint shops, and a printing facility. The facility received a certificate of completion on July 18, 2012. The facility has a restrictive covenant in place.	No (status, hydrologically downgradient)
0.125-0.25	501 Sylvanie	West-Northwest	Sunshine Electronic	MO UST	One 1,000-gallon gasoline UST was removed on January 15, 2004.	No (status, hydrologically downgradient)
0.125-0.25	618 S 6th Street	Southwest	Salvation Army	RCRA-CESQG	No violations reported.	No (status, hydrologically downgradient)
0.125-0.25	825 Edmond Street	North-Northeast	News Press & Gazette Co	RCRA-NonGen/NLR	The facility received violations in 1986 and 2005 for generators-general. Compliance was achieved for each violation	No (status)
0.125-0.25	613 Locust Street	South-Southwest	The New Bonus Auto	RCRA NonGen/NLR	No violations reported.	No (status, hydrologically downgradient)
0.125-0.25	Messanie Street Between 5th and 6th	West	Brown Transfer & Storage Company	MO UST	One 6,000-gallon UST is permanently closed in place.	No (status, hydrologically downgradient)
0.125-0.25	302 S 5th Street	West-Northwest	Roberts Dairy 2	US BROWNFIELDS	The facility has historically been used for residential development, a livery stable, a coal yard, and a filling station. The facility is currently a parking lot for trucks owned by Robert's Dairy. The Phase II ESA of the site identified soil and groundwater contamination.	No (hydrologically downgradient)

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)
0.125-0.25	221 S 5th Street	West-Northwest	Highland Diary Division	MO LUST	The facility received a NFA letter on June 12, 1996.	No (hydrologically downgradient)
				MO UST	Two 4,000-gallon gasoline, one 2,000-gallon gasoline, one 1,000-gallon waste oil, and one 560-gallon waste oil USTs were removed on February 24, 1996.	
0.125-0.25	218 S 5th Street	West-Northwest	Roberts Dairy 1	US BROWNFIELDS	The facility has historically been used for residential development, a wagon shop, and an ice cream factory. The facility is currently a parking lot for trucks owned by Robert's Dairy. The Phase II ESA of the site identified soil and groundwater contamination.	No (hydrologically downgradient)
0.125-0.25	324 South 5th Street	West-Northwest	Wickersham Property	US BROWNFIELDS	The facility has historically been used for residential development and a restaurant. The facility is currently an overflow parking lot for Sunshine Electric Display. The Phase II ESA of the site identified soil and groundwater contamination.	No (hydrologically downgradient)
0.125-0.25	5th & Messanie	West-Southwest	Central Truck Service	MO UST	One 4,000-gallon gasoline, one 2,000-gallon gasoline, one 1,000-gallon diesel, and one 250-gallon USTs were removed in 1989.	No (hydrologically downgradient)
0.125-0.25	402 S 5th Street	West	Brown Transfer and Storage (Former)	MO VCP	The facility was a candy factory in 1923, a Farmers Cooperative Marketing in 1934, and subsequently Wholesale drugs. A certificate of completion was issued on January 26, 2016.	No (hydrologically downgradient)
				MO BROWNFIELDS		
				MO SMARS		

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)
0.125-0.25	402 S 5th Street	West	Chase Candy	MO BROWNFIELDS	The site was developed for commercial use in 1883, hosted Chase Candy in 1949, subsequently hosted other commercial interests, and finally Mid City Properties in 2007. The Phase II ESA of the site identified soil and groundwater contamination.	No (hydrologically downgradient)
0.125-0.25	402 S 5th Street	West	Chase Candy	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	502 S 5th Street	West-Southwest	Environmental Sampling Tech Inc.	RCRA-SQG	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	524 S 5th Street	West-Southwest	Central Truck Service	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	524 S 5th Street	West-Southwest	Stephen Rosenauer	MO UST	Two 2,000-gallon diesel, one 2,000-gallon gasoline, and one 300-gallon used oil USTs were permanently closed in place in 1986.	No (hydrologically downgradient)
0.125-0.25	716 S 8th Street	South	Single Source Inc.	RCRA-CESQG	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	421 Sylvanie Street	West	Mid City Partnership	US BROWNFIELDS	The property was developed with residential structures from 1883 to 1949, and has been a vacant lot since 1949. The Phase II ESA identified groundwater contamination.	No (hydrologically downgradient)
0.125-0.25	710 S 9th Street	South-Southeast	Former St. Joseph Police Department	MO UST	One 10,000-gallon gasoline UST was removed in 1986.	No (hydrologically crossgradient)
0.125-0.25	114 N 7th Street	North-Northwest	Creviston & Son Jewelry MFG Co Inc.	RCRA NonGen/NLR	No violations were noted.	No (hydrologically crossgradient)
0.125-0.25	518 Felix Street	North-Northwest	Wards Building	MO SMARS	The facility is listed on the VCP (SM Number 12564).	No (hydrologically crossgradient)

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)
0.125-0.25	Edmond & 10th Street	Northeast	Robidoux	MO LUST	The facility received a NFA letter on January 30, 1991.	No (status)
				MO UST	No information provided by EDR.	
0.125-0.25	West of 402 S 5th Street	West	Alley-City Easement	US BROWNFIELDS	The site was used as an alleyway and railroad track since 1883. The Phase II ESA identified groundwater contamination.	No (hydrologically downgradient)
0.125-0.25	428 Edmond Street	Northwest	Robert Lowell	US BROWNFIELDS	Since 1955, the site has been used as a private parking lot; it was previously used as a wagon yard, a feed yard, and a building with commercial businesses. A Phase I ESA was performed in 2009.	No (hydrologically crossgradient)
0.125-0.25	702 S 5th Street	Southwest	City of St. Joseph Transit	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	520 Angelique	West	Heartland Reg Med CTR West Demo	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	502 Angelique	West	Heartland/Light and Power Storage Building	MO VCP	The site was developed prior to 1883, and was used by the St. Joseph Light & Power Company from 1916 to 1980, and subsequently by Brown Transfer and Storage Company. Known contaminants present included asbestos, gasoline, lead-based paint, motor oil, and lubricants. The facility received a certificate of completion on September 26, 2007.	No (hydrologically downgradient)
				MO BROWNFIELDS		
				MO SMARS		
0.125-0.25	502 Angelique Street	West	Heartland Foundation Empower Plant	US BROWNFIELDS	This is the same site as Heartland/Light and Power Storage.	No (hydrologically downgradient)

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)
0125-0.25	417 S 4th Street	West	HPI Products Inc.	RCRA NonGen/NLR	The facility was historically an LQG of ignitable waste, corrosive waste, arsenic, chromium, and VOCs. The facility received violations and enforcement actions from 2007 to 2012. It was also on the EPA Watch List (RCRA facilities) in 2012 and 2013.	No (hydrologically downgradient)
0125-0.25	417 S 4th Street	West	HPI Chemical Products	SEMS	The facility is not on the NPL and is a removal only site (no site assessment work needed). No further information was provided by EDR.	No (hydrologically downgradient)
0.125-0.25	644 S 6th Street	South-Southwest	Arnolds Antiques	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	315 S 4th Street	West-Northwest	Richmond Screw Anchor Co Inc.	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	315 S 4th Street	West-Northwest	Richmond Screw Anchor Co Inc.	SEMS-ARCHIVE	The facility is not on the NPL based on available information. No further information was provided by EDR.	No (hydrologically downgradient)
0.125-0.25	611 Patee Street	South-Southwest	Independent Electric Mach Co	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	4th and Charles Street	West-Northwest	Arena	MO UST	One 8,000-gallon gasoline, one 600-gallon gasoline, two 550-gallon waste oil, and one 550-gallon gasoline USTs were removed. The facility received an NFA letter on March 7, 1997.	No (hydrologically downgradient)
0.125-0.25	613 Patee	South-Southwest	Herzog Red E Mix	RCRA NonGen/NLR	No violations were noted.	No (hydrologically downgradient)
0.125-0.25	422 Felix Street 200 Corby Building	Northwest	Family Guidance Center	RCRA NonGen/NLR	No violations were noted.	No (hydrologically crossgradient)

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)
0.125-0.25	318-324 South Fourth Street	West	Weckerle's Grocery	US Brownfields	A Phase I ESA was performed in 2001; no further information was provided by EDR.	No (hydrologically downgradient)
0.125-0.25	520 Francis Street	North-Northwest	St. Joseph Light & Power Co	RCRA-SQG	No violations were noted.	No (hydrologically crossgradient)
0.125-0.25	520 Francis Street	North-Northwest	St. Joseph Light & Power Co – Francis Street	SEMS-ARCHIVE	The facility is not on the NPL based on available information. No further information was provided by EDR.	No (hydrologically crossgradient)
0.125-0.25	801 S 8th Street	South	Automotive Bearings	RCRA NonGen/NLR	No violations were noted.	No (hydrologically crossgradient)
0.25-0.50	224 N 7th Street	North-Northwest	Livestock Exchange Building	MO SMARS	The facility is listed on the VCP. No further information was provided by EDR.	No (hydrologically crossgradient)
0.25-0.50	911 Federick Avenue	North-Northeast	St. Joseph Convention Community Center	MO SMARS	The facility is listed on the VCP. No further information was provided by EDR.	No (distance)
0.25-0.50	313 S 3rd Street	West	HPI Products, Inc. – 3rd Street	SEMS	This facility is not on the NPL and is listed as a removal site only (no site assessment work needed).	No (hydrologically downgradient)
0.25-0.50	811 S 6th Street	South-Southwest	Imperial Super Gas Inc.	MO LUST	Soil and groundwater contamination identified during closure of tanks. Groundwater monitoring is ongoing.	No (hydrologically downgradient)
0.25-0.50	802 S 5th Street	South-Southwest	St. Joseph FMGP #3	MO SMARS	This facility is a Superfund site. No further information was provided by EDR.	No (hydrologically downgradient)
0.25-0.50	802 S 5th Street	South-Southwest	St. Joseph FMGP #3	EDR MGP	No information available from EDR.	No (hydrologically downgradient)

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)
0.25-0.50	310 S 3rd Street	West	McCormick Barron Building	US BROWNFIELDS	This facility is a five-story building used as storage for Foutch Bros LLC. It was previously used for residential development, a grocery store, and a wholesale seed processing facility until 1965. A Phase II ESA identified soil and groundwater contamination.	No (hydrologically downgradient)
0.25-0.50	750 S 4th Street	Southwest	Advantage Metals Recycling, LLC St. Joseph Yard	MO AUL	The facility has a restrictive covenant.	No (hydrologically downgradient)
				MO VCP	The facility was formerly operated by American Compressed Steel, Inc., and was previously known as the Missouri Iron & Metal Yard. Portions of the site have historically been operated for metal recycling purposes since at least as early as the late 1800s. Other portions of the site have been utilized as a filling station, railroad fueling area, warehouses, seed lots, and residential dwellings. Metals, PAHs, and PCBs were identified in soil, and arsenic and PAHs were identified in groundwater.	
				MO SMARS	The facility is in the VCP.	
0.25-0.50	302 S 3rd Street	West-Northwest	Downtown Furniture Emporium	MO VCP	The facility is in the VCP for petroleum contamination in soil and groundwater from a historical heating oil UST.	No (hydrologically downgradient)
				MO SMARS	The facility is in the VCP.	
0.25-0.50	901 Jules Street	North-Northeast	Falkner Plumbing	MO SMARS	The facility is in the VCP. No further information was provided by EDR.	No (distance)

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)
0.25-0.25	802 S 5th Street (South 5th and Lafayette)	South-Southwest	St. Joseph FMGP #3	EDR MGP	No additional information was available from EDR.	No (hydrologically downgradient)
0.25-0.50	802 S 5th Street	South-Southwest	St. Joseph FMGP #4	MO SMARS	This facility is a Superfund site.	No (hydrologically downgradient)
0.25-0.50	802 S 5th Street	South-Southwest	Brooner & Associates	MO SMARS	This facility is a Superfund site.	No (hydrologically downgradient)
0.25-0.50	Southeast Corner of 4th and Patee Street	Southwest	Union Pacific Railroad (UPRR)	US BROWNFIELDS	A Phase I ESA was performed in 2002.	No (hydrologically downgradient)
0.25-0.50	320 N 10th Street	North-Northeast	Southwestern Bell Telephone Co	MO LUST	This site was closed on September 27, 1994.	No (distance)
0.25-0.50	S 5th Street & Olive Street	South-Southwest	St. Joseph Light & Power Co – Olive Street	SEMS-ARCHIVE	The facility is not on the NPL. No further information was provided by EDR.	No (hydrologically downgradient)
0.25-0.50	916 S 9th Street	South-Southeast	Criswell Petroleum Prod, Co	MO LUST	Soil and groundwater contamination was identified during UST removal in 1998. The site has not been remediated, as the responsible party cannot be located. The site may be entered as an abandoned site.	No (hydrologically crossgradient)
0.25-0.50	RFD 6	Northwest	Ronald Wood DBA Lake Drive Inc.	MO LUST	Facility received NFA on June 24, 2002.	No (hydrologically crossgradient)

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)
0.25-0.50	801 Faraon Street	North	Heartland Regional Medical Center West	MO LUST	The LUST was discovered on November 29, 1990, and cleanup was finished on April 23, 1991. A NFA letter was not reported.	No (hydrologically crossgradient)
				MO SPILLS	The spill occurred on May 24, 1994, when an employee caused a release of product while transferring product from the emergency generator tank to the boiler fuel tank. The facility was authorized to discharge the fluids from the spill to the sewers. A second spill was discovered on March 24, 1999; the incident was regarding air emissions.	
0.25-0.50	904 S 10th Street	South-Southeast	Mercury-Patee Market Spill	SEMS-ARCHIVE	This facility is not on the NPL. The facility is a removal only site (no site assessment work needed).	No (hydrologically crossgradient)
0.25-0.50	151 S 2nd Street	West-Northwest	Southern Star Central Gas Pipeline Inc. – Northern	MO VCP	This facility consists of several natural gas pipeline meter or compressor stations. Until the 1980s, the meters and compressors used mercury to monitor gas flow. Mercury may have been released into soil during maintenance operations at each station.	No (hydrologically downgradient)
				MO SMARS	The facility is in the VCP.	
0.25-0.50	S 6th Street & Lafayette Street	South-Southwest	St. Joseph #3 FMGP	SEMS-ARCHIVE	This facility is not on the NPL. No further information was provided by EDR.	No (hydrologically downgradient)
0.25-0.50	501 Faraon Street	North-Northwest	Law Enforcement Center	MO LUST	The facility received a NFA letter on June 15, 2012.	No (hydrologically crossgradient)

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)
0.25-0.50	6th and 8th Montgomery Street and Highway 35	East-Northeast	North-BNSF	US BROWNFIELDS	A Phase I ESA was performed in 2003. No further information was provided by EDR.	No (distance)
0.25-0.50	1202 Jules Street	Northeast	Former Amoco #244	MO LUST	The facility received a NFA letter on February 5, 2010.	No (status)
0.25-0.50	616 S 15th Street	East-Southeast	H&M Lawn Service	MO SWRCY	The facility is a solid waste facility that accepts organics.	No (distance)
0.25-0.50	Fourth & Seneca Street	South-Southwest	Farmland Industries Old Insecticide Plant	MO SHWS	The facility was a former pesticide formulation plant. Contamination at the facility includes pesticides, PAHs, heavy metals, and VOCs.	No (hydrologically downgradient)
				MO SMARS	The facility is a superfund site.	
0.25-0.50	202-204 Main Street	West-Northwest	Artesian Ice & Cold Storage Plant	MO AUL	The facility has an operations and maintenance (O&M) plan and a restrictive covenant.	No (hydrologically downgradient)
				MO VCP	The facility has been developed since 1883 for a number of uses including a cracker manufacturer, a candy factory, a biscuit company, a pot pie manufacturer, and cold storage. Contaminants present were not reported.	
				MO SMARS	The facility is in the VCP.	
0.25-0.50	510 Seneca	South-Southwest	Gray Automotive Products	MO LUST	The facility's LUST was closed on July 5, 1995. A NFA letter was not reported.	No (hydrologically downgradient)

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)
0.50-1.0	4th Street & Seneca Street	South-Southwest	Farmland Industries Old Insecticide Plant	CONSENT	This facility is the same former pesticide formulation plan discussed previously. This facility has a consent decree.	No (hydrologically downgradient)

Notes:

AUL	Activity and Use Limitation
BROWNFIELDS	Brownfields Inventory Listing
CESQG	Conditionally Exempt Small Quantity Generator
CONSENT	Superfund Consent Decrees
DTL	Default Target Level
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FMGP	Former manufactured gas plant
Hist	Historical
LQG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
MGP	Manufactured Gas Plant
MO	Missouri
MRBCA	Missouri Risk-Based Corrective Action
NFA	No Further Action
NonGen/NLR	Non Generators/No Longer Regulated
NPL	National Priorities List
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
SEMS	Superfund Enterprise Management System
SHWS	State Hazardous Waste Sites
SMARS	Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs
SQG	Small Quantity Generator
Stat	Station
SWRCY	Solid Waste Recycling Facilities
US	United States
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound

As noted above, EDR identified two database listings of a "non-geocoded" or "orphan" facility that, because of poor or inadequate address information, could not be mapped by EDR. According to a street map, on-line mapping resources, and information obtained during the site reconnaissance, both orphan sites were the St. Joseph #2 Former Manufactured Gas Plant (FMGP) at 510-514 S 5th Street, approximately 0.15 mile west-southwest of the subject property. The facility was listed in the SEMS-ARCHIVE and the former EDR MGP databases for its former use as a manufactured gas plant. Based on

its location hydrologically downgradient of the subject property, this facility does not pose a REC to the subject property.

6.1.2 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 volatile organic compounds (VOC), semivolatile 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

Based on results of the initial vapor encroachment screen, seven properties hosting chemicals of concern were identified within the minimum search distances (EDR 2018b). Based on cleanup status and locations hydrologically downgradient or crossgradient of the subject property, six of those listings do not pose a VEC to the subject property. The subject property was identified on the SMARS, SEMS, RCRA NonGen/No Longer Regulated (NLR), and EPA Watch List databases due to historical improper chemical handling. Previous use of the subject property as a chemical manufacturer and known improper chemical handling pose a VEC to the subject property, based on possible presence of soil and groundwater contamination.

6.1.3 Valuation Reduction for Environmental Issues

No information on valuation reduction was provided to Tetra Tech. EDR did not perform an environmental lien search for the subject property.

6.1.4 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 found.

6.1.5 Title Records

The subject property Parcel 06-3.0-08-004-003-055.00 (408 S 8th Street) is currently owned by St. Joseph Properties LLC. According to the warranty deed dated September 9, 1998, the subject property was transferred from William E Garvey and Mary S Garvey, to St. Joseph Properties LLC (see Appendix F-1).

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 detectable 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 included as Appendix F.

6.2.1 Historical Property Ownership

Table 6-1 presents the chain-of-title search of the subject property (EDR 2018c) (see Appendix F-1).

TABLE 6-3

CHAIN OF TITLE SUMMARY

Date Executed	Transaction Description	Type	Book	Page
4/24/1938	Harvey S McIntosh and Sherry A McIntosh, to Raymond T Nelson and Helen S Nelson	Warranty Deed	319	762
2/12/1959	Raymond T Nelson and Helen S Nelson, to Austin L Campbell and June L Campbell	Warranty Deed	713	174
5/15/1973	Austin L Campbell and June L Campbell, to Edward L Garvey and Louise N Garvey	Warranty Deed	1011	335
3/15/1982	Edward L Garvey and Louise N Garvey, to William Garvey and Mary S Garvey	Warranty Deed	1510	674
9/9/1998	William E Garvey and Mary S Garvey, To St. Joseph Properties LLC	Warranty Deed	2173	940

According to the chain-of-title search, the subject property was owned by various individuals from 1938 to 1998, when it was purchased by St. Joseph Properties LLC. No RECs were identified in the chain-of-title search.

6.2.2 Sanborn Map Report

START reviewed Sanborn fire insurance maps of the subject property and surrounding area from years 1883, 1888, 1897, 1904, 1911, 1949, 1955, 1965, and 1969 (EDR 2018d) (see Appendix F-2). Table 6-4 is a summary of information obtained from the Sanborn maps.

TABLE 6-4

SUMMARY OF SANBORN MAPS

Year	Comments
1883	**Subject Property:** The subject property is part of the Louis Hax Furniture factory. Dwellings also are on the north and east sides of the factory building on the subject property. **Surrounding Property:** The subject property is bounded north by Sylvanie Street with the St. Joseph Brewer – J.B Huber & Co beyond; east by South 8th Street with dwellings beyond; south by Angelique Street with dwellings, a stair builder facility, and a Union Foundry beyond; and west by an alley with Louis Hax Furniture factory and dwellings beyond.
1888	**Subject Property:** The subject property appears similar to the previous map, except it is no longer part of the Louis Hax Furniture factory, and additional dwellings and a two-horse stable are present. **Surrounding Property:** Areas surrounding the subject property appear similar to the previous map.
1897	**Subject Property:** The subject property appears similar to the previous map with additional dwellings along the eastern boundary of the subject property. **Surrounding Property:** The area surrounding the subject property appears similar to the previous map. The Central Police Station is southwest of the subject property.
1904	**Subject Property:** The subject property appears similar to the previous map. **Surrounding Property:** Areas surrounding the subject property appear similar to the previous map.
1911	**Subject Property:** The subject property appears similar to the previous map. **Surrounding Property:** Areas surrounding the subject property appear similar to the previous map.
1949	**Subject Property:** The subject property is no longer residentially developed. A used auto sales and service facility is present. **Surrounding Property:** The area to the north of the subject property is now developed with an auto sales and service facility, and a tire/battery service facility; the area to the northeast is developed with a garage repair shop and paint spraying facility; the area to the east is developed with an auto sales and service facility; the area to the south is developed with a motor freight station and tire service station; the area to the west is developed with the New Central Fire Station, an auto park, and an auto repair facility, and a filling station with two gas tanks is west beyond South 7th Street.
1955	**Subject Property:** The subject property appears similar to the previous map. **Surrounding Property:** The area surrounding the subject property appears similar to the previous map except the filling station to the west is no longer present.
1965	**Subject Property:** The subject property appears similar to the previous map. **Surrounding Property:** The area surrounding the subject property appears similar to the previous map except the property to the east hosts the labor union hall.
1969	**Subject Property:** The subject property appears similar to the previous map. **Surrounding Property:** The area surrounding the subject property appears similar to the previous map.

Sanborn maps 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 as early as 1883 with residential dwellings and a furniture factory. From 1949 to 1969, the subject property

hosted a used auto sales and service facility. Surrounding properties were developed with various auto service and repair facilities from 1949 to 1969. Presence of auto service facilities on the subject property and surrounding properties poses a REC to the subject property.

6.2.3 Aerial Photographs

START reviewed aerial photographs of the subject property and surrounding area from years 1950, 1969, 1972, 1977, 1983, 1986, 1991, 1997, 2003, 2006, 2009, 2012, and 2015 (EDR 2018e) (see Appendix F-3). Table 6-5 is a summary of information obtained from the aerial photographs.

TABLE 6-5

SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments
1950	**Subject Property:** The subject property appears to be developed. Due to poor image quality, details cannot be distinguished. **Surrounding Properties:** The subject property is surrounded by predominantly commercially developed areas. The Missouri River is west of the subject property. Due to poor image quality, details cannot be distinguished.
1969	**Subject Property:** The subject property appears similar to 1950. **Surrounding Properties:** The subject property appears similar to 1950.
1972	**Subject Property:** The subject property appears similar to 1969. Due to poor image quality, details cannot be distinguished. **Surrounding Properties:** Surrounding properties appear similar to 1969. Due to poor image quality, details cannot be distinguished.
1977	**Subject Property:** The subject property appears similar to the 1972 map, developed with one building. The building appears similar to its current configuration. **Surrounding Properties:** Surrounding properties appear similar to 1972.
1983	**Subject Property:** The subject property appears similar to 1977. Due to poor image quality, details cannot be distinguished. **Surrounding Properties:** Surrounding properties appear similar to 1977. Due to poor image quality, details cannot be distinguished.
1986	**Subject Property:** The aerial photograph appears similar to 1983. **Surrounding Properties:** The area surrounding the subject property appears similar to 1983.
1991	**Subject Property:** The subject property appears similar to 1986. **Surrounding Properties:** The area surrounding the subject property appears similar to 1986.
1997	**Subject Property:** The subject property appears similar to 1991. **Surrounding Properties:** The area surrounding the subject property appears similar to 1991.
2003	**Subject Property:** The subject property appears similar to 1997. **Surrounding Properties:** The area surrounding the subject property appears similar to 1997.
2006	**Subject Property:** The subject property appears similar to 2003. **Surrounding Properties:** The area surrounding the subject property appears similar to 2003.

TABLE 6-5 (Continued)

SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments
2009	**Subject Property:** The subject property appears similar to 2006. **Surrounding Properties:** The area surrounding the subject property appears similar to 2006.
2012	**Subject Property:** The subject property appears similar to 2009. **Surrounding Properties:** The area surrounding the subject property appears similar to 2009.
2015	**Subject Property:** The subject property appears similar to 2012. **Surrounding Properties:** The area surrounding the subject property appears similar to 2012.

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 as early as 1950.

6.2.4 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 topographic maps of the subject property and surrounding area from years 1924, 1926/1927, 1971, 1978, 1997, 2012/2014/2015 (EDR 2018f) (see Appendix F-4). Table 6-6 is a summary of information obtained from the historical topographic maps of the subject property and surrounding area.

TABLE 6-6

SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS

Year	Description
1924	**Subject Property:** The subject property appears to be developed. **Surrounding Properties:** Areas surrounding the subject property appear to be developed in all directions. A railroad yard and the Missouri River are beyond to the west.
1926/1927	**Subject Property:** The subject property appears similar to 1924. **Surrounding Properties:** Surrounding properties are similar to 1924.
1971	**Subject Property:** The subject property is in a commercially developed area of St. Joseph. **Surrounding Properties:** Surrounding properties are similar to 1926/1927.
1978	**Subject Property:** The subject property is similar to 1971. **Surrounding Properties:** Surrounding properties are similar to 1971.
1997	**Subject Property:** The subject property is similar to 1978. **Surrounding Properties:** Surrounding properties are similar to 1978.
2012/2014/2015	**Subject Property:** The subject property is similar to 1997. **Surrounding Properties:** Surrounding properties are similar to 1997.

Review of topographic maps did not identify 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.

6.2.5 City Directories

Tetra Tech reviewed city directory listings of the subject and nearby properties from years 1946, 1957, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1992, 1995, 2000, 2005, 2010, and 2014 (EDR 2018g) (see Appendix F-5). Table 6-7 summarizes information found in the city directories. Additional businesses on adjoining properties are also listed in Table 6-7; however, due to the large number of entries, only businesses whose normal operations could pose an environmental threat are listed.

TABLE 6-7

SUMMARY OF HISTORICAL CITY DIRECTORIES

Property Address	Property Occupant(s)
Subject Property	
408 S 8th Street	Not listed
424 S 8th Street	Hansen-Mead Motor Co used cars (1957, 1960, 1965, 1970), HPI Products Inc. (1995)
Nearby Properties	
302-308 S 7th Street	Jacobs Auto Top & Body Works (1946)
302 S 8th Street	Modern Motors used car dept (1957, 1960), Girner Olds GMC Inc (1975)
305 S 8th Street	Miller Do Motor Co (1946)
307 S 8th Street	Miller Chevrolet Co body shop (1957, 1960)
307 S 7th Street	McCord-Bell Inc auto park (1957)
308 S 7th Street	Ward's Auto Service Tires (1957), Montgomery Ward & Co tires (1960)
317 S 8th Street	Miller Chevrolet Co autos (1946)
317-323 S 8th Street	Jacobs Auto Body Sups Inc. (1957), Swafford Motor Co used car lot (1960)
320 S 8th Street	Miller Geo Pontiac Co autos (1946), Modern Motors Co used cars (1957), Sanders Motor Co autos (1960)
325 S 7th Street	Goodrich BF Tire Co (1965, 1970, 1975), Tadlock Tire & Service (1980)
325-327 S 7th Street	Swafford Motor Co used cars (1946), Michel Tire & Battery Co (1957, 1960)
401 S 8th Street	Swafford Motor Co used cars (1957), Myers Casey Ford Inc. used cars (1965), Summers Olds Inc used cars (1970), Girner Olds Inc used car (1975)
401-415 S 8th Street	Modern Motors Inc. used cars (1960)
402 S 8th Street	Capital Finance Co, Swafford Motor Co (1957), Century Finance Co loans, Swafford Development co street paving, Swafford Motor Co used cars, Swafford Realty Co (1970, 1975)
402-410 S 7th Street	Arnold Auto Co (1946)
414 S 8th Street	Hansen Mead Motor Co Inc. used cars lot (1965, 1970)
415 S 7th Street	Arnold Auto Co used cars (1946), Quality Motors used cars (1980)
415 S 8th Street	C&H Automotive Service (1965)
416 S 7th Street	Cunningham Service Station (1946)
425 S 7th Street	Atlas Printing Co (1946), Auto Elec & Magento Serv Co (1960, 1965, 1970, 1975, 1980, 1985, 1990), Auto Electric Company (1992)
500-510 S 8th Street	Watson Bros Trans Co Inc. (1957, 1960)
501 S 7th Street	Kerns Service Station (1946), Hathaway Byron E gas station (1957, 1960)

TABLE 6-7 (Continued)

SUMMARY OF HISTORICAL CITY DIRECTORIES

Property Address	Property Occupant(s)
507 S 7th Street	Industrial Electric Motor Service Co (1970, 1975), St. Joseph Electric Motor Service Inc. motor repair (1985)
509 S 7th Street	Grant Tire & Supply Co (1946)
510 S 8th Street	Watson Bros Transportation Co Inc (1946), Heaton Union Truck Terminal, Consolidated Forwarding Inc. freight transfer, United-Buckingham Norwalk Freight Lines Inc. freight transfer, Central Transfer, Denver-Chicago Trucking, Heaton Commercial Express Lines freight transfer, Heaton Transfer Co freight transfer, McCarty Truck Lines freight transfer, Pony Express Delivery, Red Ball Express, Rock Island Motor Transit, Snider Truck Lines, Van Truck Lines freight transfer, Zip Truck Lines freight transfer (1970, 1975, 1980), American Freight system Inc motor freight (1985), R&T Diesel Service (1992)
513 S 8th Street	Beckley Barrett L used cars (1946), Beckley Motors autos, Beckley Auto Parts Co, Atlas Auto Parts (1946, 1960, 1965, 1975, 1980, 1990), Atlas Auto Parts (1995)
516 S 7th Street	Grim & Frank Auto Serv (1960, 1965), Frank & Frye Auto Service auto repr (1970)
516-520 S 8th Street	Grant Tire & Supply Co (1946)
SE Corner of 7th Street and Sylvanie Street	Fire Department Headquarters (1946), City Fire Prevention Bureau, Fire Department Headquarters (1957, 1960, 1965, 1970, 1975, 1980, 1985, 1990)

City directories can be used in conjunction with other historical records presented in this section to determine previous land use on the site. Review of city directories identified the subject property address (424 S 8th Street) as Hansen-Mead Motor Co used cars from 1957 to 1970, and as HPI Products Inc., in 1995. Areas surrounding the subject property were used primarily for auto sales and service from 1946 to at least as late as 1990. Presence of auto service facilities on the subject property and surrounding properties poses a REC to the subject property.

6.2.6 Previous Reports

On behalf of the Missouri Department of Natural Resources (MDNR) – Brownfields/Voluntary Cleanup Section (BVCP), Seagull conducted a Phase I ESA of the subject property in October 2016, and identified the following RECs:

- A multimedia inspection by EPA revealed improper storage and handling of chemicals, including more than 300 containers of various materials throughout the building.
- The property was identified as HPI Products in the RCRA Non-generator/NLR, EPA Watchlist, and Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases.
- The subject property historically hosted an automotive sales and repair shop.
- North adjacent properties were used historically for auto repair.

Tetra Tech conducted a Phase II ESA of the subject property in April 2018. Methodologies and results of the Phase II ESA are documented under separate cover. Samples of soil, groundwater, floor drain sediment, floor sweepings, and water from inside floor drains were collected during the Phase II TBA to confirm or eliminate RECs, and to identify the nature of contamination (if present) and risks posed by that contamination. Soil and groundwater were compared to EPA Regional Screening Levels (RSL), Missouri Risk-based Corrective Action (MRBCA) lowest Default Target Levels (DTL), and MRBCA Tier 1 Risk-based Target Levels (RBTL) for Type 1 (sandy) soils (non-residential).

Results of sampling during the Phase II TBA indicated only minimal detections of contaminants in surface soil, subsurface soil, and groundwater at the site. Most notable were detections of metals in all media at concentrations exceeding one or more EPA or MDNR screening levels. All metals detected are naturally occurring, and many reported concentrations were below USGS-established mean background concentrations in Buchanan County, Missouri. Other than the metals detections, only one subsurface soil sample contained concentrations of VOCs, and one groundwater sample contained a total petroleum hydrocarbons (TPH) – diesel-range organics (DRO) concentration exceeding the MRBCA DTL. Samples collected from floor drains and floor sweepings contained a larger number of contaminants including VOCs, SVOCs, pesticides, herbicides, TPH, metals, nitrate, and sulfate.

Anticipated future use of the subject property is a parking lot for the adjacent St. Joseph Fire Department. Based on this anticipated future use, as well as natures and levels of analytes detected in soil and groundwater at the site, no active remediation may be necessary. Possibly, MDNR will review the results of this Phase II TBA, conclude that no remediation is required, and issue "closure" based on the data. Or "closure" may occur via institutional controls such as a restrictive covenant prohibiting excavation of soil or use of groundwater on site. MDNR may require formal enrollment of the site in the BVCP before evaluating the site. The MDNR BVCP likely would require preparation of a Risk Management Plan specifying controls implemented to limit exposure to identified contaminants (Tetra Tech 2018a).

Tetra Tech conducted an ACM and LBP survey of the building on the subject property in December 2017. Methodologies and results of the asbestos and LBP surveys are documented under separate cover. Findings and recommendations from the asbestos and LBP surveys are as follows (Tetra Tech 2018b):

ACM

- Regulated ACM was identified in 9" X 9" tan floor tile (approximately 20 square feet [ft^2]) at the south entrance stairs. The floor tile was represented by samples FT-1, -2, and -3. Laboratory results indicated that the floor tile contained 2 percent chrysotile asbestos.

- Regulated ACM was identified in square pattern linoleum (approximately 50 ft^2) at the east entryway. The linoleum was represented by samples LIN-1, -2, and -3. Laboratory results indicated that the linoleum contained 15 percent chrysotile asbestos.

- Regulated ACM was identified in exterior boiler insulation (approximately 150 ft^2) at the basement on the south boiler. The insulation was represented by samples IN-1, -2, and -3. Laboratory results indicated that the insulation contained 10 percent chrysotile asbestos.

- Regulated ACM was identified in transite panels (approximately 430 ft^2) on the east side of the exterior of the building. The transite was represented by samples Transite-1, -2, and -3. Laboratory results indicated that the transite panels contained 20 percent chrysotile asbestos.

- Regulated ACM was identified in exterior wall panel mastic (approximately 150 ft^2) on the east side of the exterior of the building under plastic panels. The mastic was represented by samples WM1-1, -2, and -3. Laboratory results indicated that the mastic contained 10 percent chrysotile asbestos.

- Regulated ACM was identified in aircell pipe insulation (approximately 530 ft^2) in the basement and manufacturing area. The aircell pipe insulation was represented by samples Airocell-1, -2, and -3. Laboratory results indicated that the aircell pipe insulation contained 30 percent chrysotile asbestos.

- Regulated ACM was identified in piping joint insulation (approximately 12" joint) in the basement. The joint insulation was represented by samples J-1, -2, and -3. Laboratory results indicated that the joint insulation contained 30 percent chrysotile asbestos.

The materials identified above should be removed by a licensed asbestos abatement contractor before any renovation or demolition work disturbs the material. The removed waste must be transported to a disposal site able to accept friable and non-friable ACM. If the building is to be renovated and the material is not to be disturbed, it may remain in place.

LBP

Of the 72 XRF spectrometer readings obtained from painted surfaces and suspect lead-containing materials in the building on the subject property, nine indicated reportable lead concentrations exceeding 1.0 milligram per square centimeter (mg/cm^2):

- The tan painted wood door frame in the south/front entryway office tested positive for LBP with an XRF spectrometer reading of 5.0 mg/cm^2.

- The blue painted wood door in the south/front entryway office tested positive for LBP with an XRF spectrometer reading of 5.0 mg/cm^2.

- The blue painted wood door in the men's bathroom in the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.01 mg/cm^2.

- The blue painted wood garage door of the interior of the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.05 mg/cm^2.

- The cream-painted exterior garage door frame on the south side of the building tested positive for LBP with XRF spectrometer readings of 2.14 and 2.46 mg/cm^2.
- Green-painted panels on the northeast exterior of the building tested positive for LBP with XRF spectrometer readings of 4.13, 1.84, and 2.20 mg/cm^2.

HUD considers LBP as paint with lead levels above 1.0 mg/cm^2. If renovations will or could impact the LBP surfaces, Tetra Tech recommends that the contractor conducting the renovations comply with Occupational Safety and Health Administration (OSHA) Lead in Construction Standard, 29 CFR 1926.62. If the materials containing LBP are removed during renovation activities, a sample should be collected from the debris pile for a Toxicity Characteristic Leaching Procedure (TCLP) analysis (40 CFR 261.24); representative samples should be collected and analyzed for all eight Resource Conservation and Recovery Act (RCRA) metals specified in 40 CFR 261.24 (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). This would allow determination of the proper method of disposal of the materials. Prior to demolition or renovations, the renovation contractor should remove peeling and chipping paint from any damaged LBP surfaces on the walls at the subject property building.

PCBs

No materials sampled were found to contain PCBs.

Prior to any renovation activities, any suspect materials not tested that would be disturbed should either be tested or assumed positive for PCBs, removed, and sent for disposal. Disposal of PCBs is regulated by EPA under the Toxic Substances Control Act (TSCA) PCBs Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, 40 CFR 761.62.

7.0 FINDINGS AND OPINIONS

Review of EDR findings identified the following RECs to the subject property:

- The subject property (408 South 8th Street) is listed in the SMARS database due to its listing in the VCP (SM Number 12703). No further information was provided by EDR. The subject property (424 South 8th Street) is also listed in the SEMS and RCRA NonGen/NLR databases. The subject property is not on the NPL and is a removal only site (no site assessment work needed). The facility was historically an LQG of ignitable waste, corrosive waste, arsenic, chromium, and VOCs. The facility received violations and enforcement actions from 2007 to 2012. The facility was also on the EPA Watch List (RCRA facilities) in 2012 and 2013. According to the Phase I ESA by Seagull in 2016, a multimedia inspection by EPA had revealed improper storage and handling of chemicals, including more than 300 containers of various materials throughout the building. These listings pose a REC to the subject property based on historical improper handling of chemicals on the subject property.

Review of historical documentation identified the following RECs to the subject property:

- Review of Sanborn® maps depicted the subject property developed as early as 1883 with residential dwellings and a furniture factory. From 1949 to 1969 the subject property was depicted as a used auto sales and service facility. Surrounding properties were developed with various auto service and repair facilities from 1949 to 1969. Presence of auto service facilities on the subject property and surrounding properties poses a REC to the subject property.

- Review of city directories identified the subject property address (424 S 8th Street) as Hansen-Mead Motor Co used cars from 1957 to 1970 and as HPI Products Inc. in 1995. Areas surrounding the subject property have been used primarily for auto sales and service from 1946 to at least 1990. Presence of auto service facilities on the subject property and surrounding properties poses a REC to the subject property.

- Records provided by the St. Joseph Fire Department document improper storage of chemicals, poor housekeeping, and illegal wastewater discharge at the subject property from as early as 1990 until at least 2003. Historical improper storage of chemicals, poor housekeeping, and illegal wastewater discharges pose a REC to the subject property.

Multiple investigations have occurred at the subject property. The most recent Phase II TBA was performed in conjunction with this TBA. Results of sampling during the Phase II TBA indicated only minimal detections of contaminants in surface soil, subsurface soil, and groundwater at the subject property. Most notable were detections of metals in all media at concentrations exceeding one or more EPA or MDNR screening levels. All metals detected are naturally occurring, and many reported concentrations were below USGS-established mean background concentrations in Buchanan County, Missouri. Other than the metals detections, only one subsurface soil sample contained concentrations of VOCs, and one groundwater sample contained a TPH-DRO concentration exceeding the MRBCA DTL. Samples collected from floor drains and floor sweepings contained a larger number of contaminants including VOCs, SVOCs, pesticides, herbicides, TPH, metals, nitrate, and sulfate.

A hazardous materials survey was also completed in conjunction with this ESA. The following instances of ACM and LBP were identified in the subject property building:

ACM

- Regulated ACM was identified in 9" X 9" tan floor tile (approximately 20 square feet [ft^2]) at the south entrance stairs.
- Regulated ACM was identified in square pattern linoleum (approximately 50 ft^2) at the east entryway.
- Regulated ACM was identified in exterior boiler insulation (approximately 150 ft^2) at the basement on the south boiler.
- Regulated ACM was identified in transite panels (approximately 430 ft^2) on the east side of the exterior of the building.
- Regulated ACM was identified in exterior wall panel mastic (approximately 150 ft^2) on the east side of the exterior of the building under the plastic panels.
- Regulated ACM was identified in aircell pipe insulation (approximately 530 ft^2) in the basement and manufacturing area.
- Regulated ACM was identified in piping joint insulation (approximately 12" joint) in the basement.

LBP

- The tan painted wood door frame in the south/front entryway office tested positive for LBP with an XRF spectrometer reading of 5.0 mg/cm^2.
- The blue painted wood door in the south/front entryway office tested positive for LBP with an XRF spectrometer reading of 5.0 mg/cm^2.
- The blue painted wood door in the men's bathroom in the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.01 mg/cm^2.
- The blue painted wood garage door of the interior of the manufacturing area tested positive for LBP with an XRF spectrometer reading of 1.05 mg/cm^2.
- The cream-painted exterior garage door frame on the south side of the building tested positive for LBP with XRF spectrometer readings of 2.14 and 2.46 mg/cm^2.
- Green-painted panels on the northeast exterior of the building tested positive for LBP with XRF spectrometer readings of 4.13, 1.84, and 2.20 mg/cm^2.

8.0 CONCLUSIONS AND RECOMMENDATIONS

START has performed a Phase I ESA, conforming to the scope and limitations of ASTM E 1527-13, of the subject property at 408 S. 8th Street in St. Joseph, Missouri. 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 RECs in connection with the subject property, as described in Section 7.0.

Based on results of this Phase I TBA, the subject property has been impacted by past and current industrial uses on the subject property. Anticipated future use of the subject property is a parking lot for the adjacent St. Joseph Fire Department. Based on this anticipated future use, as well as natures and levels of analytes detected in soil and groundwater at the site, no active remediation may be necessary. MDNR may require formal enrollment of the site in the BVCP before evaluating the site. The MDNR BVCP likely would require preparation of a Risk Management Plan specifying controls implemented to limit exposure to identified contaminants.

START recommends removal of identified ACM by a licensed asbestos abatement contractor before any renovation work or demolition disturbs the materials. The removed waste must be transported to a disposal site able to accept friable and non-friable ACM. If the building is to be renovated and the materials are not to be disturbed, those materials may remain in place.

If the LBP surfaces are to be impacted during renovations or demolition, START recommends that the contractor conducting the renovations or demolition comply with the OSHA Lead in Construction Standard, 29 CFR 1926.62. If the materials containing LBP are removed during renovation activities, a sample should be collected from the debris pile for TCLP analysis (40 CFR 261.24); representative samples should be collected and analyzed for all eight RCRA metals noted in 40 CFR 261.24 (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). This would determine the proper method of disposal of the materials. The renovation contractor must also remove peeling and chipping paint from any damaged LBP surfaces on these walls at the subject property prior to demolition or remodeling.

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 G. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional 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 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 Professional

Kaitlyn Mitchell

Kaitlyn Mitchell
Environmental Scientist

Reviewer/Environmental Professional

John R. Simpson

John R. Simpson, CHMM
Environmental Scientist

Reviewer/Environmental Professional

David A. Zimmermann

Dave Zimmermann, CHMM
Senior Program Manager

10.0 REFERENCES

ASTM International (ASTM). 2010. *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. E2600-10.

ASTM. 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* E1527-13.

Buchanan County (BC) Geographic Information System Website. 2018. Accessed February 27, 2018. http://www.co.buchanan.mo.us/136/GIS

Environmental Data Resources, Inc. (EDR). 2018a. EDR Radius Map with Geocheck. February 2.

EDR. 2018b. Vapor Encroachment Screen. February 26.

EDR. 2018c. The EDR 1940 Chain of Title. February 12.

EDR. 2018d. Certified Sanborn Map Report. February 2.

EDR. 2018e. The EDR Aerial Photo Decade Package. February 5.

EDR. 2018f. EDR Historical Topographic Maps. February 2.

EDR. 2017g. The EDR-City Directory Image Report. February 6.

Seagull Environmental Technologies, Inc. (Seagull). 2016. Phase I Environmental Site Assessment, Mead Hansen Building, 408 South 8th Street, St. Joseph, Buchanan County, Missouri. October 18.

Tetra Tech, Inc. (Tetra Tech). 2018a. Targeted Brownfields Assessment – Phase II ESA, Mead Hansen Building Site, 408 S. 8th Street, St. Joseph, Missouri. April 15.

Tetra Tech. 2018b. Targeted Brownfields Assessment – Survey Report regarding Asbestos, Lead-Based Paint, and Polychlorinated Biphenyls at Mead Hansen Building, 408 S. 8th Street, St. Joseph, Missouri. April 4.

U.S. Department of Agriculture (USDA). 2016. Soil Survey of Buchanan County, Missouri. Accessed on February 28, 2018. http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

U.S. Geological Survey (USGS). 1997. St. Joseph North, Missouri Quadrangle. USGS 7.5-Minute Topographic Series.

USGS. 1997. Ground Water Atlas of the United States: Kansas, Missouri, and Nebraska. HA 730-D. Accessed February 28, 2018. http://pubs.usgs.gov/ha/ha730/ch_d/index.html

APPENDIX A

STATEMENT OF WORK

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
11201 Renner Boulevard
LENEXA, KANSAS 66219

May 24th, 2017

Tetra Tech, Inc.
415 Oak
Kansas City, Missouri 64106
Attn: Ted Faile

Subject: Contract #EP-S7-13-06, START 4, Subtask **043** under Task Order # **0002**; Brownfields Umbrella

Dear Mr. Faile:

Enclosed is the statement of work covering the: **Mead Hansen Building** —Region 7.

This requirement has been issued under the **Brownfields Umbrella** in accordance with Contract Clause G.2 entitled "Ordering - By Designated Ordering Officers, Tetra Tech shall provide the undersigned within 10 calendar days, a proposed staffing plan for accomplishing the assigned task within the period specified only if you consider the ceiling price or specified work completion date to be unreasonable. You shall notify the Contracting Officer in writing within 10 calendar days, stating why you consider the price or completion date unreasonable. If the change(s) affect the price, the contractor shall provide a revised cost estimate to the contracting officer. The total amount shall not exceed **$44,311.48.**

Existing funds are available for use against the umbrella for this subtask. When you have reason to believe that the labor and support costs for this order, which will accrue in the next thirty days, will bring the total cost to over 85% of the ceiling price, you shall notify the Contracting Officer. If you have any questions, please contact me at (913) 551-7619.

Sincerely,

Misty L. Ketron
Contracting Officer

enclosure
cc: Debra Dorsey
Todd H. Davis
Kelly Overstreet

Sub-Task

Under Task Order #02 – Brownfields TBAs

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

Activity Type: Targeted Brownfield Assessment

Created On: 05/01/2017

Task: Environmental Site Assessment

PO: Debra Dorsey

Task Monitors: Todd H. Davis
Kelly Overstreet

General Task Description: Phase II and I ESA, ABCA

Task Codes:

Estimated Completion Date: August 30, 2017

Site/Project Name: Mead Hansen Building

Address: 408 S 8th Street

Ext: 7749

City, State, Zip: St. Joseph, Missouri 64501.

Site ID No: N/A

I. INTRODUCTION

PURPOSE

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.

The purpose of this Statement of Work (SOW) is for the contractor to provide EPA with technical support. 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.

II. 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."

III. TECHNICAL REQUIREMENTS

EPA Targeted Brownfields Assessment
TASK ORDER
Mead Hansen Building
408 S 8th Street
St. Joseph, Buchanon County, Missouri 64501
May 1, 2017

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 Mo-Kan Regional Council in St. Joseph, Missouri has requested EPA to perform a Phase II environmental site assessments on the Mead Hansen property located at 408 South 8th Street, Buchanon County, St. Joseph Missouri, The St. Joseph Fire Department plans to use the site as a parking lot, driveway and green space.

IV. Site Description

The site covers approximately 0.75 acres and has one building.

a. Location

The Mead Hansen Building is located at 408 S 8th Street in St. Joseph, Missouri.

b. Description and Current Conditions of Sites

The current use is vacant but it is the location of a former chemical mixing facility, automotive plant/repair and lumberyard. Access to the site is being provided through an agreement with the property owner/applicant.

V. History of Operation

The referenced property historically was used for industrial purposes.

VI. Summary of Pertinent Previous Investigations

A previous Phase I Report was provided by the Applicant.

VII. Scope of Work

The contractor shall perform a Phase II and then an updated Phase I environmental site assessment (ESA) on the property. An Analysis of Brownfield Cleanup Alternatives (ABCA) shall be submitted. The contractor shall submit a completed Property Profile Form (PPF) for the property as part of the Phase II ESA Report. An existing structure exists at the site. The Mo-Kan Regional Council and the St. Joseph Fire Department shall be listed as "users" of the Report.

The Phase II ESA will further assess the site in accordance with ASTM Standard E 1903-97-11, Standard Guide for Phase II Environmental Site Assessments. The RECs were identified in the Phase I Report that was supplied by the Mo-Kan Regional Council. The Phase I ESA will be updated in accordance with ASTM Standard E 1527-13, Standard Practice for Phase I Environmental Site Assessments.

VIII. Description of Tasks

ASTM/AAI Phase I and Phase II 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 and E1903-97-11 standard for Phase I & II ESAs as wells as the guidance documents listed at the end of this task order.

From the information and documents reviewed for the Phase I and Phase II ESAs and inclusive of all EPA comments on the draft report, the contractor shall prepare 3 bound color hard copies and one electronic copy of each of the ASTM/AAI Phase I and Phase II site investigation reports 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.

IX. Quality Assurance Project Plan (QAPP)

The Contractor shall prepare a Quality Assurance Project Plan for the environmental assessment. If structures are found on the properties the QAPP may include lead based paint and asbestos surveys to be performed during the Phase II Environmental Site Assessment. The QAPP shall present the objectives, organization, activities, and quality control procedures that will be employed to ensure that all technical data generated during the assessment and the asbestos and lead-based paint surveys are accurate and representative of the conditions at the project site. The QAPP shall contain a Title and Approval Page. A draft version of the QAPP shall be submitted to the EPA Task Order Project Officer (TOPO) and must be approved by the EPA TOPO prior to conducting the surveys. Electronic submittal is acceptable for the QAPP. For guidance on creating a QAPP, refer to the guide EPA Requirements for Quality Assurance Project Plans (QA/R-5) found at: http://www.epa.gov/quality/qs-docs/r5-final.pdf

X. 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.

XI. Phase II Environmental Site Assessment

The Contractor shall conduct a limited Phase II Environmental Site Assessment (ESA) in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, Standard E 1903-97-11, Standard Guide for Phase II Environmental Site Assessments, to meet the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) "all appropriate inquiry" standard. The Phase II ESA shall be submitted in draft and final versions.

XII. Asbestos Containing Materials (ACM) Survey

The Contractor may conduct an Asbestos Survey on the building. Personnel conducting the asbestos inspection shall be licensed. The asbestos survey, if necessary, shall be conducted in accordance with the protocols established by EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). Inspectors shall be properly attired and shall use wet sampling methods as applicable to reduce the potential for fiber release. Inspectors shall visually assess the interior and exterior of the building to identify homogeneous areas of materials suspected to contain asbestos. A physical assessment of each homogeneous area of suspect ACM shall be conducted to assess the

condition of the material as friable or non-friable as classified by NESHAP, i.e. Friable, Non-friable Category I or Non-friable Category II. Based on results of the visual assessment, bulk samples of suspect ACM shall be collected. Samples shall be placed in sealable containers and labeled with unique sample numbers using indelible marker. Samples shall be submitted under chain of custody procedures to a Licensed and NVLAP accredited laboratory for analysis by Polarized Light Microscopy (PLM). A representative number of samples with low asbestos results (less than 3 percent) shall be analyzed by Point Count. Each homogeneous area shall be identified and noted as such in the field notes, and location where the sample is taken shall be identified at the location of the sampled item using a label, or permanent marker. The Inspector shall photograph each sample location and shall show location on a sketch or drawing. The Inspector shall estimate the quantity (e.g., sq. ft., linear feet, each) of each building component containing ACM. All investigative derived waste shall be collected and removed from the building and disposed of according to current regulations.

XIII. Asbestos Survey Report

The results of the survey must be documented in a report signed by the licensed asbestos inspector. There are no known as-built drawings, renovation records, etc., of the buildings so the inspector must prepare a floor plan sketch or drawing to record sample locations. At a minimum, the sketch shall include outside dimensions in feet. The report shall include the sketch or drawing showing sample locations, photo of sampled area, presentation of test results, friable category, copies of the lab report, and estimated quantities. The report shall also provide rough order of magnitude cost estimates for asbestos abatement (that will be used for budgetary planning). The abatement costs should be sufficiently detailed to show quantity and how costs were derived. The Asbestos Survey Report shall be combined with the Lead-Based Paint Survey Report with combined cover page titled, “Targeted Brownfields Assessment Survey Reports for Asbestos Containing Materials and Lead-Based Paint at the (Name of Site)”.

XIV. Lead-Based Paint Survey

The Contractor may conduct a lead-based paint survey on the buildings in accordance with H.U.D. guidelines. The LBP survey, if necessary, shall be conducted by a licensed lead inspector. Screening of painted surfaces on the interior and exterior of the buildings shall be conducted using a portable X-Ray Fluorescence (XRF) analyzer. Standard operating procedures for the instrument shall be followed.

XV. Lead-Based Paint Survey Report

The results of the survey must be documented in a report signed by the licensed lead inspector. All test readings shall be reported including negative and inconclusive readings. A building sketch shall be included showing general locations of LBP materials and photos shall be provided. Approximate quantities of LBP materials shall be provided. The report shall also provide rough order of magnitude cost estimates for lead abatement (that will be used for budgetary planning). The abatement costs should be

sufficiently detailed to show quantity and how costs were derived. The Lead-Based Paint Survey Report shall be combined with the Asbestos Survey Report.

XVI. 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 60 days from the date the sites are assigned to the contractor.
Comments will be made and returned to the contractor within 60 business days.
The final deliverables as described above are due 30 business days after EPA provides comments on the draft reports.

XVII. 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

XVIII. Guidance Documents/References

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

- "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

XIX. 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.

Deliverable/Activity	**Due Date**
Conference Call with Applicant and EPA	5/25/2017
Site Visit	6/20/2017
Draft Phase I Report	7/15/2017
Draft ABCA	7/20/2017
Final Phase I Report	8/30/2017
Final ABCA	8/30/2017

B-1 EPA 1552.216-73 FIXED RATES FOR SERVICES-INDEFINITE DELIVERY/INDEFINITE QUANTITY CONTRACT. (APR 1984)

The following fixed rates shall apply for payment purposes for the duration of the contact subject to Economic Price Adjustment as described in Section G.

OPTION PERIOD

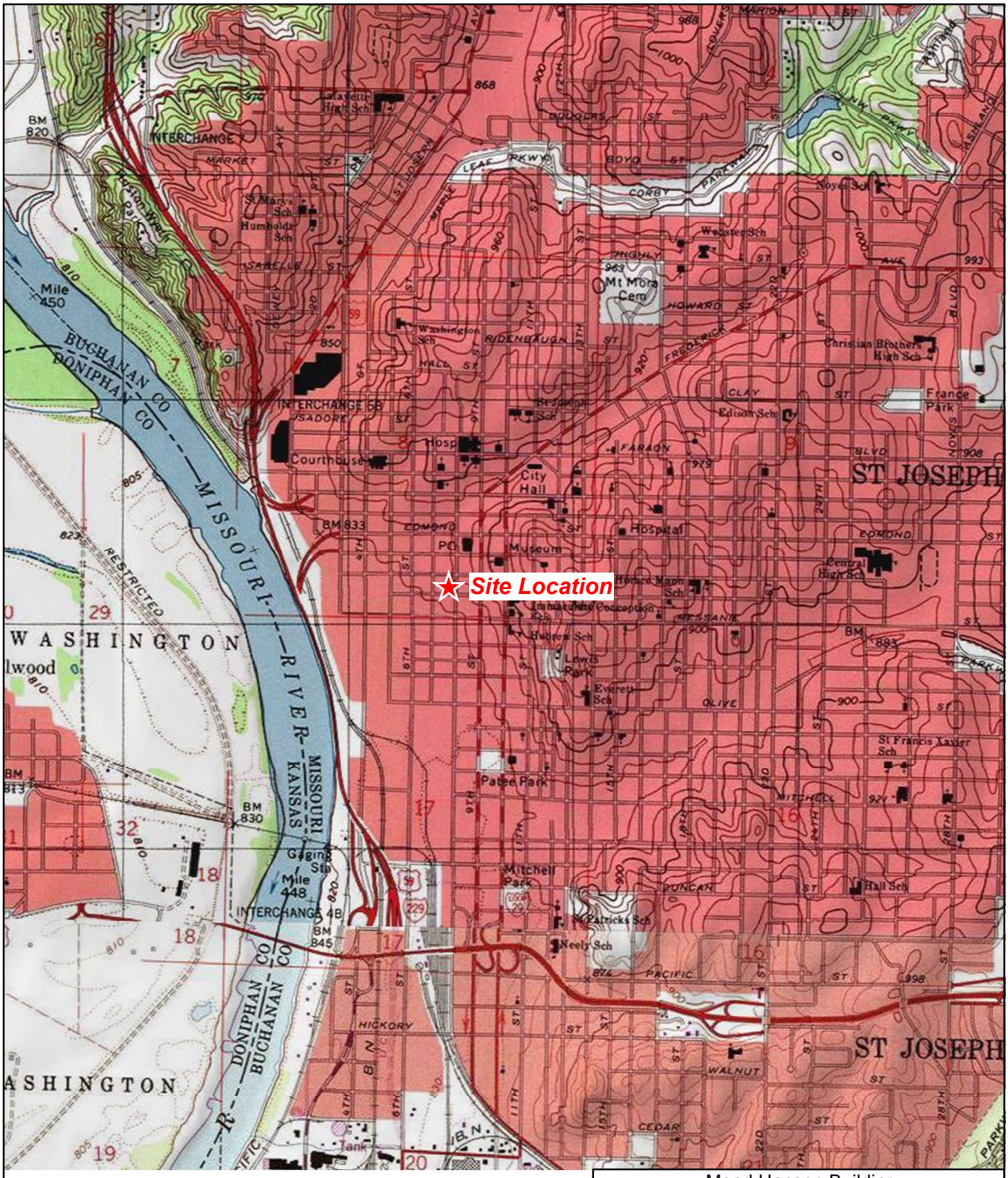
CLIN	DESCRIPTION	ESTIMATED QUANTITY	HOURS	UNIT PRICE	TOTAL
1	Principal Professional		4	$120.15	$480.60
2	IT Pro, Sr Sci, Sr Eng		132	$86.02	$11,354.64
3	Jr Sci, Jr Eng		48	$59.47	$2,854.56
4	Ctr Admin, Sr Tech		48	$66.77	$3,204.96
5	Gen IT Tech, Jr Tech		4	$33.00	$132.00
6	Clerical		12	$46.24	$554.88
7	Travel + G&A @ 5.32%	NTE		$1,875.00	$1,974.75
8	ODCs + G&A @ 5.32%	NTE		$13,334.00	$14,043.37
9	Subcontracts + G&A @ 0%	NTE		$7,500.00	$7,500.00
10	Equipment + G&A @ 5.32%	NTE		$2,100.00	$2,211.72

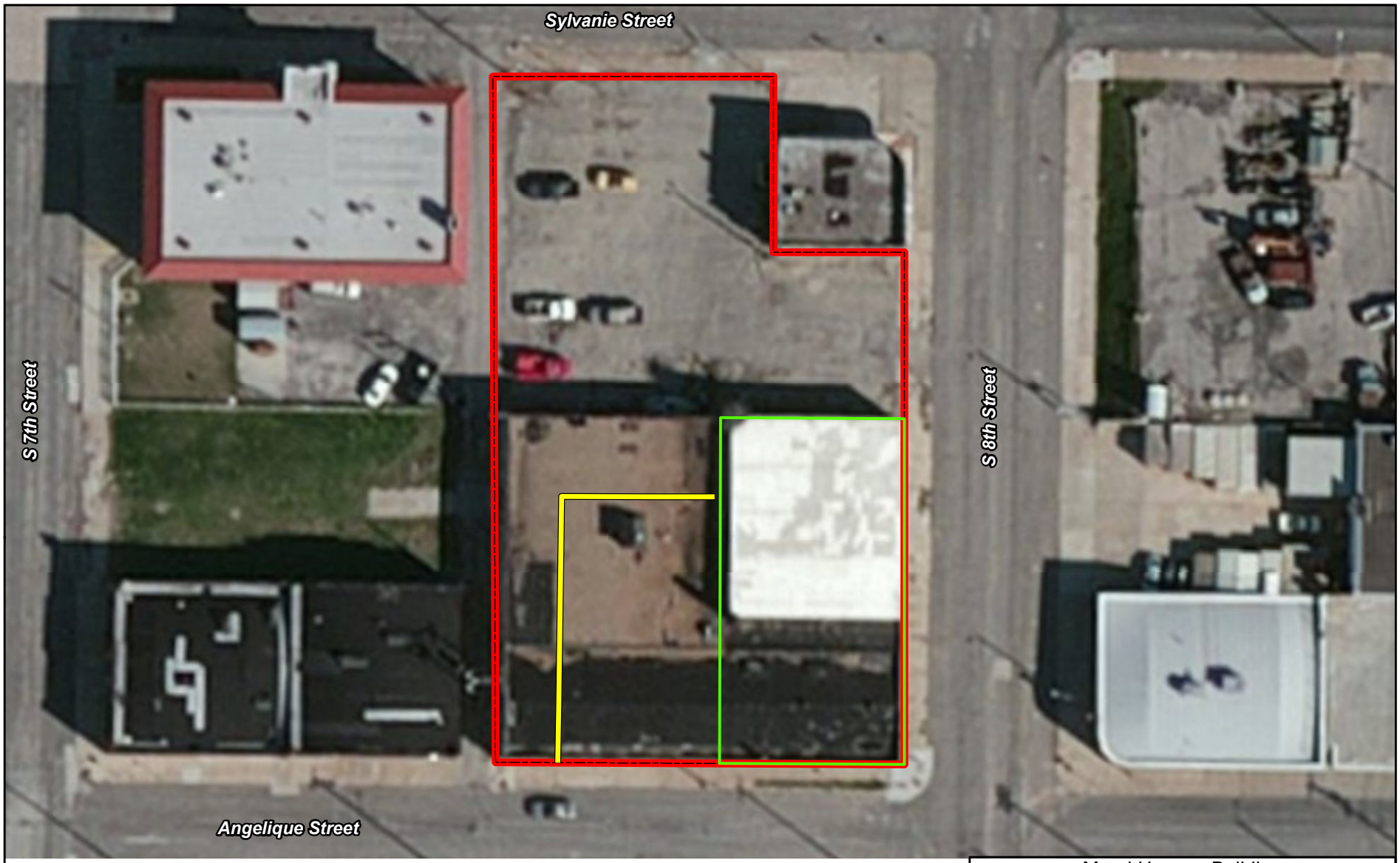
GRAND TOTAL

$44,311.48

APPENDIX B

FIGURES


Site Location
MISSOURI RIVER
BUCHANAN CO
DONIPHAN CO
ST JOSEPH
WASHINGTON
Mead Hansen Building
408 S 8th Street
St. Joseph, Missouri
Buchanan County
N
0 1,000 2,000
Feet
Figure 1
Site Location Map
TETRA TECH
Source: USGS Saint Joseph North, MO 7.5 Minute Topo Quad, 1981;
USGS Saint Joseph South, MO 7.5 Minute Topo Quad, 1981.
Date: 8/9/2017
Drawn By: Nick Wiederholt
Project No: X9025.14.0002.043
X:\G\9025.00.02\043\Projects\mxd\Figure1.mxd



Legend

- Former trench drain
- Approximate site boundary
- Basement extent

N

0 25 50

Feet

Source: ESRI, ArcGIS Online, World Imagery (Clarity)

Mead Hansen Building
408 S 8th Street
St. Joseph, Missouri

Figure 2
Site Layout Map

TETRA TECH

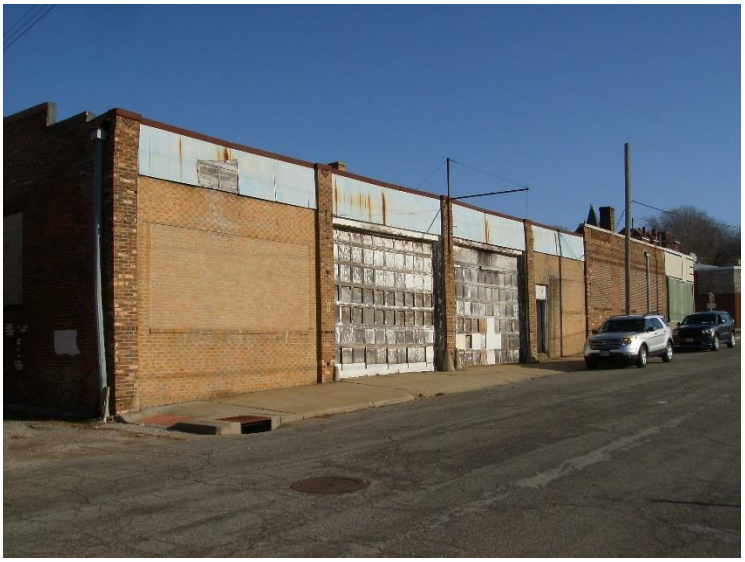
Date: 4/10/2018 Drawn By: Nick Wiederholt Project No: X9025.14.0002.043

X:\G\9025\0002\043\Projects\mxd\Figure2_04-10-18.mxd

APPENDIX C

SITE PHOTOGRAPHS

Mead Hansen Building Phase I TBA
St. Joseph, Missouri



TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the exterior of the Mead Hansen Building (the building).	1
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: South	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the exterior of the building and transite underneath the black paneling.	2
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows blue transite paneling and the garage door on the exterior of the building.	3
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: East	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows 12” joint insulation on the south boiler in the basement.	4
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: South	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows 3” airocell pipe insulation in the basement.	5
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows window glaze in the manufacturing area.	6
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: North	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows brown floor tile near the south entrance.	7
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: East	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows 9” X 9” floor tile with associated mastic on the south entrance stairs.	8
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the plaster system and 2” X 4” fissure and pinhole ceiling tile in the office.	9
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows square pattern linoleum with associated mastic at the south entrance.	10
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Northeast	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows 2' X 4 white fissure and pinhole ceiling tile, and 1' X 4' smooth ceiling tile in the office.	11
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Northwest	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the north side office area.	12
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows an overview of the manufacturing area.	13
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Northwest	PHOTOGRAPHER	M. Sawyer	12/19/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the basement boiler.	14
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	M. Sawyer	12/19/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the southeast corner of the building.	15
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Northwest	PHOTOGRAPHER	J. Simpson	12/18/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the south side of the building	16
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: East	PHOTOGRAPHER	J. Simpson	12/18/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the north side of the building	17
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southeast	PHOTOGRAPHER	J. Simpson	12/18/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the west side of the building and the adjacent alleyway.	18
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: South	PHOTOGRAPHER	J. Simpson	12/18/2017

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the interior of the building and probing at soil boring SB-1.	19
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	K. Mammoliti	1/22/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-7.	20
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	K. Mammoliti	1/23/2018

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-8 in the basement level of the building.	21
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southeast	PHOTOGRAPHER	K. Mammoliti	1/23/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-11 at the northeast corner of the building.	22
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southeast	PHOTOGRAPHER	K. Mammoliti	1/25/2018

Mead Hansen Building Phase I TBA
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-12 at the southwest corner of the property.	23
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	K. Mammoliti	1/24/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-15.	24
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	J. Simpson	1/25/2018

APPENDIX D

INTERVIEW DOCUMENTATION AND USER-PROVIDED INFORMATION

September 17, 2003

Mr. Hans Nielsen
HPI Products, Inc.
222 Sylvanie St
PO Box 997
St. Joseph, MO 64502

Subject: **8th and Angelique**
Notice of Violation

Dear Mr. Nielsen:

The City of St. Joseph hereby notifies HPI Products, Inc. of violations of pretreatment standards at the subject facility. The specific nature of the violations is described below.

- Failure to comply with zero discharge requirements

  The subject facility failed to comply with the pretreatment standards for the Pesticide Chemicals Formulating and Packaging Subcategory. Such standards are published in the Code of Federal Regulations at 40 CFR 455.46. A copy of this standard is enclosed.

  Based on information gathered during past permit applications and inspections, HPI claims to reuse all of its process wastewater in its manufacturing process in order to achieve "no discharge of process wastewater pollutants" as required by 40 CFR 455.46(a). This is the compliance option that HPI has chosen.

  Our inspection on August 20, 2003, discovered that process wastewater was being discharged from the subject facility to the City's sewers. Such discharge is a blatant violation of the aforementioned regulation. Furthermore, our sampling on that day confirmed the presence of process wastewater pollutants (namely chlorpyrifos and xylene) in the discharged wastewater. Enclosed is a copy of our report summarizing these test results.

In order to help prevent future instances of noncompliance, we suggest you take the following corrective actions:

- Cease discharging process wastewater from this or any other HPI facility to the City's sewers.

- It is our understanding that you intend to use your Angelique facility for warehousing only. Thus, there is no need for floor drains, pits, trenches or similar points of entry to the City's sewers. We suggest that such devices be permanently closed (e.g. filled with concrete or other effective method of your choosing) to prevent discharges to the City's sewers. Doing so may also require other modifications in order to maintain adequate secondary containment provisions.

Please be advised that further violations of pretreatment standards may result in additional enforcement action. Also, please be aware that HPI may be included in our annual report of significant noncompliance published in the local newspaper pursuant to §29-158(c) of the City Code.

Should you have further questions regarding this notice, please feel free to contact Marsha Williams at (816)271-4715.

Sincerely,

J. Bruce Woody, P.E.
Director of Public Works & Transportation

jdf
Enclosures

cc: Donald R. Gilpin, Acting Superintendent of Wastewater Treatment
Marsha R. Williams, Chief Chemist and Acting Pretreatment Coordinator
Andrew Clements, P.E., Assistant Director of Public Works & Transportation
Jim Fitzpatrick, P.E., Black & Veatch

Summary of Testing Results
HPI, Inc, facility at 8th and Angelique
Date Sampled 8/20/03
Testing results received 9/8/03

The samples collected at HPI's 8th and Angelique facility on 8/20/03 were sent to Midwest Laboratories in Omaha, Nebraska. Tests requested were for Chlorpyrifos, Aromatic 200, and Aromatic 150. This was discussed over the phone before the samples were shipped. When the results were returned, there were no test results for the Aromatic 200 and 150 solvents. I called Midwest Laboratories and was told that they did not have a specific test for those two solvents, just a general scan for various solvents.

The solvent scan revealed the presence of total xylenes in two of the three samples tested. According to the MSDS for Dursban TC Termiticide (a product similar to that formulated by HPI) , xylene is a solvent that they use in their product, along with Aromatic 100 and a few other inert substances also not tested for in the solvent scan. HPI did not report the use of xylene in its formulation, but this may very possibly be where the xylene came from. Xylene is also a petroleum product, and may be present in minute amounts as an impurity in Aromatic 200 and 150.

Chlorpyrifos and Xylene are both listed on the CERCLA Priority List of Hazardous Substances. (See attachment.) Chlorpyrifos, Aromatic 200, and Xylene all present an explosive hazard, and should be kept out of the sewer.

The three sampling sites were:
1) A white pipe emptying floor drains into a square pit in the floor
2) The square pit which contained a pipe that drained to the sewer
3) A manhole in the street immediately south and to the west end of the building.

Location of Sampling	Aromatic 200 & 150	Chlorpyrifos In PPM	Xylene In PPM
White pipe Emptying floor drains Into square floor pit	Not Tested	7.113 ppm	None Detected
Square pit in floor With pipe draining to sewer	Not Tested	13.775 ppm	13.775 ppm
Manhole located in Street just south And west of building	Not Tested	0.360 ppm	0.031 ppm

Marsha Williams, Chief Chemist / Pretreatment Coordinator, St. Joseph Water Pollution Control; 9/10/03

ST. JOSEPH FIRE DEPARTMENT
CODE VIOLATION WARNING

For additional information, contact the Fire Prevention Bureau @ 271-4623 Monday-Friday 8am to 5pm

4 S 8TH
Address

HPI STORAGE
Occupant

Office Telephone

Property Owner

12 / 13 / 06
Inspection Date

HENRICHSON
Inspector

All items noted below are in violation of the 2000 International Fire Code

☐ Alarm System	☐ Storage	☐ Mechanical	☐ Electrical
☐ Sprinkler System	☐ Fire Extinguishers	☐ Exits Blocked	☒ Permit (check if required)
☐ Hood System	☐ Emergency Lights	☐ Address	☐ Exit Lights

Comments: CHEMICAL STORAGE PROBLEMS AS DEFINED BY D.N.R. MUST BE CORRECTED IN ACCORDANCE WITH TIMETABLE ESTABLISHED WITH THEM.

SPRINKLER SYSTEM MUST REMAIN OPERATIONAL AT ALL TIMES. CAPS ON FDC MUST BE REPLACED.

The responsible party is granted ____ working days to correct violations noted above.

A re-inspection is scheduled for _____ **on** _____
Time Date

Inspector Signature

Owner/Agent Signature

Fire Dept

ST. JOSEPH POLICE DEPARTMENT
NARRATIVE REPORT Page 1 of 4
SJP 84-202

1. Offense/Incident	2. Case No.
Information - Haz-Mat	9004 2875

DESCRIPTION OF INCIDENT IN CHRONOLOGICAL ORDER:	3. Name and Address Of Complainant/Victim	4. Date Of Report
		4-21-90

5. Case Statement ____ Clearance Report ____ Information Report X Supplemental Report ____
Other (Specify) ____ Law Enforcement Use Only - Not For Publication ( )

On 4-21-90 at 0555 HRS, R/O while on routine patrol observed an open door on a building in the alley just north of Angelique between South 7th and South 8th streets (later found to be 424 S 8th). R/O requested an additional unit and Officer Lehman arrived, R/O conducted building search and determined that there was no one present in the building.

Due to inadequate markings on the exterior of the building R/O attempted to locate a business license or some form of paperwork to determine who owned the building. R/O was finally able to locate a responsible party by dialing 911 and having a phone trace done. Dispatch notified R/O that the phone was for 424 S 8th. While inside the building R/O and Officer Lehman observed a very large quantity of chemicals (55 gallon drums of Alcohol NOS - Specially Denatured Alcohol, 190 proof labeled "flammable Liquid" and there appeared to be excess of 40 drums) R/O also observed what appeared to be some form of insecticide stacked on pallets and in three different sized containers, and some type of chemical weed killer. R/O observed other boxes and containers and observed that some of the containers had warning labels.

R/O and Officer Lehman observed spilled chemicals in the building at various locations (orange powdery substance believed to be insecticide and some form of liquid on the floors).

Due to the noxious odors in the building R/O and

6. Reporting Officer	I.D. Number	7. Reviewing Supervisor Signature	I.D. Number
Stobbs	7386	SGT	1273

ST. JOSEPH POLICE DEPARTMENT
NARRATIVE REPORT Page 2 of 4
SJP 84-202

1. Offense/Incident	2. Case No.
Information - Haz-Mat	9004 2875

DESCRIPTION OF INCIDENT IN CHRONOLOGICAL ORDER:	3. Name and Address Of Complainant/Victim	4. Date Of Report
		4-21-90

5. Case Statement _____ Clearance Report _____ Information Report X Supplemental Report _____
Other (Specify) _____ Law Enforcement Use Only - Not For Publication (X)

Officer Lehman exited the building and requested dispatch to contact the responsible individual for the building and have him respond to 424 S 8th.

At 0606 HRS, Dispatcher Mc Clanahan contacted William E Garvey (owner) by phone.

Dispatcher McClanahan called and informed the person who answered the phone that she was calling from the St Joseph Police Dept and needed to speak to William Garvey. The female who answered the phone gave the phone to Garvey, Dispatcher Mc Clanahan asked Mr Garvey if he owned the building at 424 S 8th and he said yes. Dispatcher McClanahan informed Garvey that a police officer was there (R/O) and had found an open door, to which Garvey said "thanks". Dispatcher Mc Clanahan asked Garvey if he would respond and Garvey said yes. Dispatcher Mc Clanahan asked Garvey if he knew if there was any hazardous materials stored in the building, to which Garvey said "Shit no, I don't think so", and said "just tell them to stay outside".

R/O requested Sgt Markt to respond to the area and the exterior of the building was again examined. The only marking that could be found was the address "424" on a door on the east side of the building (Due to construction of building it appears on the outside to be 2 different buildings)

No marking could be found that indicated that the building was used as a business or that it contained

6. Reporting Officer	I.D. Number	7. Reviewing Supervison Signature	I.D. Number
Stobbs	7386	Sgt.	1273

ST. JOSEPH POLICE DEPARTMENT
NARRATIVE REPORT Page 3 of 4
SJP 84-202

1. Offense/Incident	2. Case No.
Information - Haz-Mat	9004 2875

DESCRIPTION OF INCIDENT IN CHRONOLOGICAL ORDER:	3. Name and Address Of Complainant/Victim	4. Date Of Report
		4-21-90

5. Case Statement ____ Clearance Report ____ Information Report X Supplemental Report ____
Other (Specify) ____ Law Enforcement Use Only - Not For Publication (X)

hazardous or flammable substances.

Upon Mr Garvey's arrival, R/O explained to Garvey about the door to which Garvey stated "I just own the fucking building, some one else left the goddamm door open". Garvey secure the door and then R/O again spoke with him. Sgt Markt aduised Garvey that the building needed to be better marked for an address and Garvey left.

R/O and Officer Lehman and Sgt Markt cleared from the call at 0630 HRS.

At 0710 HRS (case 9004 2880) Officer Waller observed two subjects attempting to climb in a window at 424 S 8th (south side garage door) and initiated a contact R/O and Officer Lehman responded and spoke with W/M Booten, Rick Lee DOB 4-18-49 and B/M Wright, Charles L DOB 12-14-57. Both subjects stated that they worked at 424 S 8th. Mr Wright stated he was a supervisor and Mr Booten stated he was a formulator.

Both subjects stated that they made insect and weed killer, along with some form of soap at the business. They stated that the building was owned by HPI (poss address 222 S 3rd street). They also stated they knew Mr Garvey, that he signed their checks.

During the entire time R/O and Officer Lehman had been in the building R/O could not locate any type of fire extinguisher or similar apparatus and believes

6. Reporting Officer	I.D. Number	7. Reviewing Supervisor Signature	I.D. Number
Stobbs	2386	Sgt.	1273

ST. JOSEPH POLICE DEPARTMENT
NARRATIVE REPORT Page 4 of 4
SJP 84-202

1. Offense/Incident	2. Case No.
Information - Haz-Mat	9004 3875

DESCRIPTION OF INCIDENT IN CHRONOLOGICAL ORDER:	3. Name and Address Of Complainant/Victim	4. Date Of Report
		4-21-90

5. Case Statement ____ Clearance Report ____ Information Report X Supplemental Report ____
Other (Specify) ____ Law Enforcement Use Only - Not For Publication (X)

that the building is being operated in an illegal manner, The presense of conveyers and other manufacturing type equipment along with R/0's observation of a time clock and employee time cards along with with statements from two employees is consistant with a business manufacturing items, copies of this report should be forwarded to the St Joseph Fire Department (fire prevention code violations), to the St Joseph Health department (noxious odors and refuse on outside of building and in vacant lot west of the building) and to the Director of Finance for the city of St Joseph (Business license regulations)

The phone conversation between Dispatcher Mc Clanahan and Mr Garvey was recorded on 4-21-90 at 0606 HRS at the F-2 console and R/0 requested the tape be held by communications center ref this case

6. Reporting Officer	I.D. Number	7. Reviewing Supervisor Signature	I.D. Number
Stobbs	7386	Sgt	1273

January 23 1990

Inspection Brief
424 S. 8th HPI
Inspection Date 01-22-90

On the above date inspectors Caw and Johnson performed an inspection at the above address. This inspection revealed several violations to the BOCA Fire Code.

Corrections are proceeding at this time to bring the occupancy into conformity with BOCA Fire Code.
The management is cooperating to the fullest with the Fire Prevention Bureau.

Chemicals also materials stored there are those normally used in this type of process. To our knowledge no prohibited chemicals are present.

cc

Fire Prevention Chief

Fire Department Chief

y Stock List from to))))))))))) using selection mask ??????????

	Item Description	Assembly	Last Use	On Order	Committed	On Hand	In Stock	Lead	Status
7104	LANOLIN ANNHYDROUS		10/12/89	0	0	0	0	0	Under
7105	ALOE OIL EXTRACT		10/12/89	0	0	20	20	0	Over
7108	~~BHT BUTYL HYDROXYL TOLUENE~~		10/12/89	0	0	0	0	0	Under
9101	METHOMYL TECH 98%			0	0	4739.2	4739.2	0	Over
9102	Z-9 TRICOSENE TECH 96%			0	0	50.57	50.57	0	Over
9106	DYE FD&C YELLOW #5			0	0	350	350	0	Over
9107	DYE FD&C RED #3			0	0	100	100	0	Over
9108	CREMAPHOR RH40			0	0	89	89	0	Over
9109	SUGAR GRANULAR			0	0	95561	95561	0	Over
9110	SUGAR COMPACTION			0	0	0	0	0	NOT USED
9111	CORN STARCH			0	0	10000	10000	0	Over
1101	SODIUM LAURYL SULFATE (6400)		06/23/89	0	0	2786.28	2786.28	0	Over
1102	AMMONUM LAURYL SULFATE (6430)		06/23/89	0	0	1520	1520	0	Over
1103	COCAMIDE DEA (EMID 6514)		06/23/89	0	0	775.32	775.32	0	Over
1104	AMMONIX LO (LAUR. OXIDE)		06/23/89	0	0	203	203	0	Over
1107	SODIUM CHLORIDE		06/23/89	0	0	231.5	231.5	0	Over
1108	METHYL PARABEN		06/23/89	0	0	11	11	0	Over
1109	GERMAL 115 (IMIDOZ UREA)		06/23/89	0	0	24	24	0	Over
2101	STEARIC ACID 3x POWDER		10/17/89	0	0	166	166	0	Over
2102	ACETULAN 884 6.63#/GAL		10/17/89	0	0	84	84	0	Over
2103	EMERWAX 1257 (BEESWAX)		10/17/89	0	0	93	93	0	Over
2104	SILICON FLUID 200/350		10/17/89	0	0	70	70	0	Over
2105	PROPYL PARABEN		10/12/89	0	0	0	0	0	Under
2106	LEXEMUL S&I		10/17/89	0	0	367	367	0	Over
2107	TWEEN 60		10/17/89	0	0	834.1	834.1	0	Over
2108	DYNACERIN 660 (JOJOBA)		10/17/89	0	0	4	4	0	Over
2109	METHOCEL K4M		10/17/89	0	0	71	71	0	Over
2112	LEXAN X-350 (ANM HYDRO PROT)		10/17/89	0	0	518.306	518.306	0	Over
2113	ALOE-GEL 8.15#/GL		10/17/89	0	0	45	45	0	Over
2114	DYE FDC YELLOW #5		10/17/89	0	0	0	0	0	Under
2115	ODOR #7547-AH		10/17/89	0	0	13.66	13.66	0	Over
101	D&C VIOLET #2 (EXTERNAL)		06/23/89	0	0	17.5	17.5	0	Over
101	LEXAMINE S-13			0	0	100	100	0	NOT USED
102	CETYL ALCOHOL		10/17/89	0	0	133	133	0	Over
103	PHOSPHORIC ACID 85% 11.875#			0	0	593.75	593.75	0	NOT USED
105	GERMABEN II		10/17/89	0	0	71.5	71.5	0	Over
106	TINOPAL CBS-X		06/23/89	0	0	54	54	0	Over
107	ODOR GREEN HERBAL 7412AH		06/23/89	0	0	13	13	0	Over
108	DOWICIL 200		10/17/89	0	0	16.5	16.5	0	Over
101	~~MENHADEN OIL (FISH OIL)~~		04/21/89	0	0	0	0	0	Under
101	~~PETROLATUM~~		04/21/89	0	0	0	0	0	Under
102	~~PINE TAR 8.34#/GL~~		10/12/89	0	0	0	0	0	Under
103	~~NEATSFOOT OIL 7.61#/GL~~		10/12/89	0	0	0	0	0	Under
104	~~TURPENTINE 7.19#/GL~~		04/21/89	0	0	0	0	0	Under
105	~~WHEAT GERM OIL 7.0#/GL~~		04/21/89	0	0	0	0	0	Under
107	~~LIQUID SMOKE 7.5#/GL~~		04/21/89	0	0	0	0	0	Under
108	~~IODINE CRYSTALS~~		04/21/89	0	0	0	0	0	Under

printed: 243

January Stock List from to)))))))))) using selection mask F?????????

Item	Item Description	Assembly	Last Use	On Order	Committed	On Hand	In Stock	Lead	Status
FPKG-571501	BTL 4oz MAGNUM FLY ATTRACT			0	0	31500	31500	0	Over
FPKG-571502	SHP 12x4oz MAGNUM			0	0	1318	1318	0	Over
FPKG-571702	SHP MAGNUM FLY 72x4oz			0	0	0	0	0	Under
FPKG-806501	BTL GAL WHT F STYLE		02/07/89	0	0	151	151	0	Over
FPKG-806502	CP 38-400 CLOSURE		02/07/89	0	0	0	0	0	Under
FPKG-806701	SHP 4/GAL PLAIN RESHIP		02/07/89	0	0	0	0	0	Under
FPKG-806702	DVD 4/GAL PARTITION FOR PLSTC		02/07/89	0	0	0	0	0	Under
FPKG-806901	LBL GAL FISH OIL		02/07/89	0	0	0	0	0	Under
FPKG-806903	LBL 4xGAL FISH OIL		02/07/89	0	0	0	0	0	Under
FPKG-863903	LBL GAL ALCOHOL 70%		01/23/89	0	0	0	0	0	Under
FPKG-863904	LBL 16oz ALCOHOL 70%			0	0	0	0	0	Under
FPKG-863905	LBL CS ALCOHOL 70%		01/23/89	0	0	2000	2000	0	Over
FPKG-863906	LBL CTN 16oz ALCOHOL 70%			0	0	0	0	0	Under
FPKG-863907	LBL UN1219 ALCOHOL 70%		01/23/89	0	0	1000	1000	0	Over
FPKG-863908	LBL FLAMMABLE DIAMOND ALC 70%		01/23/89	0	0	0	0	0	Under
FPKG-868501	CN 32oz METAL		10/12/89	0	0	0	0	0	Under
FPKG-868502	CP DAUBER HOOF AID/BLUE LOTION		04/21/89	0	0	0	0	0	Under
FPKG-868703	SHP 12x32oz HOOF AID		04/21/89	0	0	0	0	0	Under
FPKG-868704	DVD 12x32oz HOOF AID		04/21/89	0	0	0	0	0	Under
FPKG-868705	PAD 12x32oz HOOF AID		04/21/89	0	0	0	0	0	Under
FPKG-868903	LBL GAL HOOF HELP			0	0	0	0	0	Under
FPKG-868904	LBL 4xGAL CASE HOOF AID			0	0	0	0	0	Under
FPKG-868905	LBL 32oz HOOF AID PS		04/21/89	0	0	0	0	0	Under
FRM-027117	MGK CAT & DOG REPEL		11/15/89	0	0	0	0	0	Under
FRM-087101	BOMYL TECH 90% KG			0	0	0	0	0	Under
FRM-087102	PROPEXUR TECH 96% KG			0	0	0	0	0	Under
FRM-087103	AEROTHANE II, 11.13#/GAL			0	0	378.42	378.42	0	Over
FRM-087104	XANTHAN GUM (KELZAN) KG			0	0	24	24	0	Over
FRM-087105	POWDERED SUGAR KG			0	0	0	0	0	Under
FRM-115103	ISOPROPYL ALCOHOL		09/06/89	0	0	0	0	0	Under
FRM-146102	MUSCALURE (65% Z9) 6.71#/GAL		12/14/89	0	0	590.522	590.522	0	Over
FRM-146103	TRYMETHYLAMINE HYDRO (TMA)		12/14/89	0	0	2228.4572	2228.4572	0	Over
FRM-146104	INDOLE		12/14/89	0	0	11.3684	11.3684	0	Over
FRM-146105	SDA-3C ALC 190 PRF 6.76#/GAL		12/14/89	0	0	44696.109	44696.109	0	Over
FRM-146106	CREMOPHORE RH60		12/14/89	0	0	54.0876	54.0876	0	Over
FRM-209101	ACRYLIC MODIFIED RESIN 7.61#		06/21/89	0	0	1255.65	1255.65	0	Over
FRM-209102	ACETONE		06/21/89	0	0	582.8	582.8	0	Over
FRM-209103	DYE BLACK LO-1101		06/21/89	0	0	35	35	0	Over
FRM-305103	~~VITAMIN ADE 7.87#/GL~~		04/21/89	0	0	0	0	0	Under
FRM-316101	~~PROPYLENE GLYCOL~~		09/06/89	0	0	1202.2	1202.2	0	Over
FRM-316102	~~GLYCERINE USP~~		10/12/89	0	0	570	570	0	Over
FRM-316103	~~UREA~~		09/06/89	0	0	158	158	0	Over
FRM-316104	~~SODIUM PROPIONATE~~		09/06/89	0	0	509	509	0	Over
FRM-316105	~~ACRAFLAVIN NF NEUTRAL~~		09/06/89	0	0	4.766	4.766	0	Over
FRM-316106	~~FURFURAL TECH~~		09/06/89	0	0	71.603	71.603	0	Over
FRM-316107	DYE METHYL VIOLET		09/06/89	0	0	62	62	0	Over
FRM-334101	76 RES 3077			0	0	0	0	0	NOT USED
FRM-334102	18-1003 AQUANYL BLACK A			0	0	0	0	0	Under
FRM-397103	~~PETROLATUM-WHITE~~ FA		10/12/89	0	0	0	0	0	Under

January 23, 1990

Inspection Summary

424 S. 6th HPI Products

Inspection Date 22 Jan 90

On the above date Inspectors Johnson and Caw Performed an Inspection At the Above address.
This inspection Revieled several violations to the BOCA Fire Code.

Correction to bring the occupancy into compliance with BOCA Fire Codes are in progress.
Managment is Cooperating with the Fire Prevention Bureau.

All Chemicals now There are Those normaly used in This Type Process. To our knowledge no banned Chemicals are present.

BLD. # 347

ST. JOSEPH FIRE DEPARTMENT CODE VIOLATION WARNING

(For additional information, contact Fire Prevention Division, 271-4779. Best times to call are 8-9 a.m. and 4-5 p.m. weekdays)

424	South 8th	N E S	Paved
Address Number	Street Name	Street Direction	Street Type

Garvey	Bill		233-1237
Owner Last Name	Owner First Name	Owner M.I.	Office Phone

222 Sylvanie	St. Joseph	Mo.	64501
Owner Address	City	State	Zip

0 1	2 2	9 0	H.P.I. Products		Johnson / Carr
Inspection Month/Day/Year			Occupant		Inspector Last Name

The inspection conducted on the above-mentioned date revealed violations of the St. Joseph Fire Code as described below:

Page II of II

Code Section	Corrective Action Required
F-2805.4.25	Flammable liquids shall be separated by firewalls and
	from materials creating a fire exposure hazard.
F-2805.4.26.5	Aisles must be at least three feet wide and
	palleting neat & orderly. Doors must not be blocked.
F-2800.1	Refers to NFC 30
NFC 30	4-4.1.6: Ventilation required
NFC 30	4-4.1.1 Floors & walls must be liquid tight
NFC 30	Table 4-4.2.7 Denatured alcohol storage shall
	be limited to a total not to exceed 1375 gallons
F-314.1	Electrical hazards must be corrected.
F-314.5	Extension cords shall not be affixed to structure.
F-2401.3	Compressed gas cylinders shall be labeled.
F-2401.9	Each compressed gas cylinder shall be secured.

The responsible party is granted ____ days to correct the St. Joseph Fire Code violations described above.

A reinspection will be scheduled for _____ on _____
Time Date

Michael Johnson / Robert W. Carr
Inspector Signature

Owner/Agent Signature

ST. JOSEPH FIRE DEPARTMENT CODE VIOLATION WARNING

(For additional information, contact Fire Prevention Division, 271-4779. Best times to call are 8-9 a.m. and 4-5 p.m. weekdays)

424	South 8th	N & S	PAVED
Address Number	Street Name	Street Direction	Street Type

Garvey	Bill		233-1237
Owner Last Name	Owner First Name	Owner M.I.	Office Phone

222 Sylvanie	St. Joseph	Mo.	64501
Owner Address	City	State	Zip

01229	H.P.I. Products		Johnson/Caw
Inspection Month/Day/Year	Occupant		Inspector Last Name

The inspection conducted on the above-mentioned date revealed violations of the St. Joseph Fire Code as described below:

Page I of II

Code Section	Corrective Action Required
F-2900.2	Permit required for storage of chemicals.
F-2901.5	Reactive chemicals must be segregated.
F-2905.1	Separate poisons from reactive chemicals & substances.
F-2905.2	Warning signs must be posted on the building & entrances.
F-2907.1	Maintain a neutralizer and a container for leakage.
F-2901.6	Dispose of or repair leaking containers in approved manner.
F-2901.2	All containers shall be labeled with contents.
F-2800.2	Permit required for storage of flammable & combustible
	liquids.
F-2801.8	No materials will be stored around boiler area.
F-2806.1	20 B-C or larger fire extinguishers or fire hoses
	shall be available in storage areas.
F-2800.2.4	Permit required for processing flammable & combustible liquids

The responsible party is granted ____ days to correct the St. Joseph Fire Code violations described above.

A reinspection will be scheduled for _____ on _____
Time Date

Michael Johnson / Robert W. Caw
Inspector Signature

Owner/Agent Signature

222 Sylvania

1993 DIAZINON MALIX 7+3.2G ⅔ CIBA GEIGY
3 MG8 24 60 LB
424 S. 8Th

Green CHARM } Chlorpyritas (O,O Diethyl) O(3,5,6, ~~Trictoral~~
Insect Control }

8000. GAL
T 536 GAL
Chlorpyrifos (O,O-Diethyl-) O(3,5,6,-Trichloro-2-~~pyridyl~~ Pyridinyl)
Phosphorothioate 0.59% - 61.12 %
Inert Ingredients 99.50

DURSBAN 25%

ALCHOL NOS UN Number 1987
190 Proof
Formula SDA-3C

Acetone 2 55 GAL UN 1090

26 55 Gal Fly Attractant

TRICHLORO ethane 1 55 Gal UN 2831

ISOPROPANOL Anhydrous 1- 55 Gal UN 1219
Shellac 3- 55 GAL NA 1263

Black Dye 30 GAL Flash Point 75° UN 1993
PYLAM BLACK OIL Dye

UN 1866 5GAL Resin Solution
(Poly ISO CyANATE)
one word

DURSBAN 20 55 GAL
Witedate 6400 organic
~~Surfactant~~ (ANIONIC Surfactant)
469-19-450

Heptanes, 3, UN 1206 4 3

Formaldehyde Solution 37%
Cetyl Alchol N.F.

Sodium Benzoate CAS Reg NO 532-32-1 (Onse

Lexein 350-
COCONUT Super
DIETHANOLAMIDE EMID 6515 (quantum Co.)

Citrus hand Cleaner

VAPONA Insecticide STOCK Spray
CARBARYL 2L Insecticide
Ferric chloride 42° Be
Expectorant CAGE LABS
→ TRIMETHYLAMINE Hydrochloride BATCH 910 FIBER DRUM 30+ 100 LB
Sodium Chlorate EPA # 228-201-54508
PHOSPHORIC ACID 55 GAL - 2
NINOL 40-CO (NINOL-128 extra Surfactant

AMMOWYX-40 Irritant (Stephan Co)
Deodorant Concentrate

APACHE Liquid Premix (Poison) } Incorrectly Marked
Methomyl 14%

Granulated Sugar
Methomyl Technical
(S-methyl N-[(methylcarbamoyl)oxy]Thioacetimidate 98%

Conf W.T. Dust (Starch)

Pfizer Sorbitol Solution F.C.C.

TETRA TECH

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ASTM 1527-13 USER QUESIONNAIRE

Please fax completed questionnaire to (816) 410-1748 or email to John.simpson@tetratech.com

Property Name: Mead Hansen building

Property Address: 408 South 8th, St Joseph Mo

In order to qualify for one of the Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments")**, the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

1. **Environmental cleanup liens that are filled or recorded against the *property* (40 CFR 312.5).**
   Did a search of recorded land title records (or judicial records where appropriate)*** identify any environmental liens filed or recorded against the *property* under federal, tribal, state, or local law?

   If yes, please provide the details: ☐ Yes ☐ No

   The City has not independently searched all title records; however, I am aware that the property is under a RCRA order

2. **Activity and land use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and (vi)).**
   Did a search of *recorded land title records (*or judicial records where appropriate) identify any AULs, such as *engineering controls,* land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state, or local law?

   If yes, please provide the details: ☐ Yes ☐ No

   I know of no land use restrictions other than the RCRA order. Alley has monitoring wells but not sure why

415 Oak Street, Kansas City, MO 64106
Tel 816.412.1741 Fax 816.410.1748 www.tetratech.com

3. **Specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections provisions (40 CFR 312.28).**
Do you have any specialized knowledge or experience related to the *property* and nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

If yes, please provide the details: ☐ Yes ☑ No

I work for the fire department. we have had a phase one and two done on the adjacent property to the south and our desire is to complete a phase one and two on the hansen mead for possible future expansion

4. **Relationship of the purchase price to the fair market value of the property (40 CFR 312.29).**
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

If yes, please provide the details: ☐ Yes ☑ No

if we obtain this property it will be through the county collector since taxes have not been paid for several years . i have had appraisals done on land to the south.

5. **Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).**
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

(a) Do you know the past uses of the *property*?	☑ Yes ☐ No
(b) Do you know of specific chemicals that are present or once were present at the *property*?	☐ Yes ☑ No
(c) Do you know of spills or other chemical releases that have taken place at the *property*?	☐ Yes ☑ No
(d) Do you know of any environmental cleanups that have taken place at the *property*?	☐ Yes ☑ No

If yes, please provide the details

we do know that this building had some type of herbicide mixed in it. There were also chemicals stored there as they used the rear dock for loading several years ago. There has been no activity recently

The original use of the building was a car dealership

TETRA TECH

6. **The degree of obviousness of the presence of likely contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**
Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence of likely presence of contamination at the property?

If yes, please provide the details: ☑ Yes ☐ No

not sure why the monitoring wells were in the alley (possibly because of a fuel tank in the lot due south of the fire station. since they mixed herbicides in the mead hansen building and the company's history i would suspect that there would be some contamination.

In addition, certain information should be collected, if available, and provided to the environmental professional conducting the Phase I Environmental Site Assessment. This information is intended to assist the environmental professional, but is not necessarily required to qualify for on the Landowner Liability Protections. This information includes:

a. The reason the Phase I is being performed.

b. The type of property and type of property transaction, for example, sale, purchase, exchange, etc.

c. The complete and correct address for the property (a map or other documentation showing property location and boundaries is helpful).

d. The scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered).

e. Identification of all parties who will rely on the Phase I report.

f. Identification of the site contact and how the contact can be reached.

g. Any special terms and conditions which must be agreed upon by the environmental professional

h. Any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior assessment reports, documents, correspondence, etc., concerning the property and its environmental condition).

*Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's Interim Guidance Regarding Criteria Landowners Must Meet in Order to Quality for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements" Guide) issued on March 6, 2003.

**P.L. 107-118

*** In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

PERSON COMPLETING QUESTIONNAIRE

Name: Mike Dalsing

Title: Fire Chief

Company: St Joseph Fire Department

Years familiar with the property: 8

SIGNED: Mike Dalsing

DATE: 2-2-18

415 Oak Street, Kansas City, MO 64106
Tel 816.412.1741 Fax 816.410.1748 www.tetratech.com

Mitchell, Kaitlyn

From: MoDNR Sunshine Request Tracking <missouridnr@mycusthelp.net>
Sent: Wednesday, February 21, 2018 9:23 AM
To: Mitchell, Kaitlyn
Subject: Sunshine Request :: R001747-022118

Dear Kaitlyn Mitchell:

I am in receipt of your request for records on 2/21/2018, under the Sunshine Law, Chapter 610, RSMo. Under the Missouri Sunshine Law, all open and responsive records maintained by the Missouri Department of Natural Resources will be made available to you. Your request was given the reference number R001747-022118 for tracking purposes.

Records Requested: • Records indicating former operations/owners • Contamination issues in soil or groundwater • Leaks or spills of hazardous materials • Storage or use of hazardous materials • Monitoring well installations and/or sampling results • Underground or aboveground storage tanks (tank abandonment, removals, and closures) • Site remediation/investigation activities • Environmental violations • Sewer or septic issues; issued permits • No further action letters • Consultations with the U.S. Environmental Protection Agency (USEPA) • Sites that may be classified as State Hazardous Waste Sites

Your request will be forwarded to relevant Department programs and regional offices to locate responsive documents and to determine the volume and cost associated with filling your request. Due to the amount of Sunshine Law requests the Department receives, it may take up to three weeks to produce responsive records. If your request concerns hazardous or solid waste, it will take *at least* three weeks to provide all responsive files. Within that time, you will receive a follow-up from the Department regarding the status of your request and whether additional time is needed to process it. Feel free to contact me regarding any questions concerning your request.

If your request language includes "any and all records" or requires information from the Hazardous Waste Program, the Department will need longer than three weeks due to their current backlog. If you choose to view/copy files in person or send someone in your stead, we can have them ready for you in about two business days.

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Thank you for your interest in keeping Missouri open and transparent.

Dawn Brooks

Custodian of Records

Missouri Department of Natural Resources

To monitor the progress or update this request please log into the Missouri Department of Natural Resources Sunshine Records Center

APPENDIX E

EDR RADIUS MAP WITH GEOCHECK

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501

Inquiry Number: 5176168.2s
February 26, 2018

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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

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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 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).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	1	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	1	1
State and tribal registered storage tank lists	0.25	0	1	1
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	1	2	2

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	1	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MEAD-HANSEN BUILDING
408 S 8TH ST
SAINT JOSEPH, MO 64501

COORDINATES

Latitude (North):	39.763769 - 39° 45′ 49.562073″
Longitude (West):	94.851045 - 94° 51′ 3.7573242″
Elevation:	854 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
MEAD HANSEN BUILDING 408 S 8TH ST. JOSEPH, MO 64501	SMARS

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
HPI SOUTH EIGHTH STREET SEMS: SEMS	424 SOUTH 8TH STREET	<1/10 ESE	▲ A2	8
CENTRAL FIRE STATION UST: UST LUST: LUST	401 S 7TH ST	<1/10 WNW	◆ A4	17
ROBIDOUX UST: UST LUST: LUST	EDMOND AND 10TH ST	1/10 - 1/3 NE	▲ 7	24

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
MEAD HANSEN BUILDING SMARS: SMARS	408 S 8TH	Property	▲ A1	8
HPI PRODUCTS INC RCRA NonGen / NLR: RCRA NonGen / NLR EPA WATCH LIST: EPA WATCH LIST	424 S 8TH ST	<1/10 ESE	▲ A3	10
ST. JOSEPH FIRE TRUCK PARKING GARAGE SMARS: SMARS	415 S. 7TH ST.	<1/10 W	◆ A5	23
ST. JOSEPH CONVENTION COMMUNITY CENTER SMARS: SMARS	911 FREDERICK AVE.	1/10 - 1/3 NNE	▲ H8	27
FALKNER PLUMBING SMARS: SMARS	901 JULES ST	1/10 - 1/3 NNE	▲ H9	27

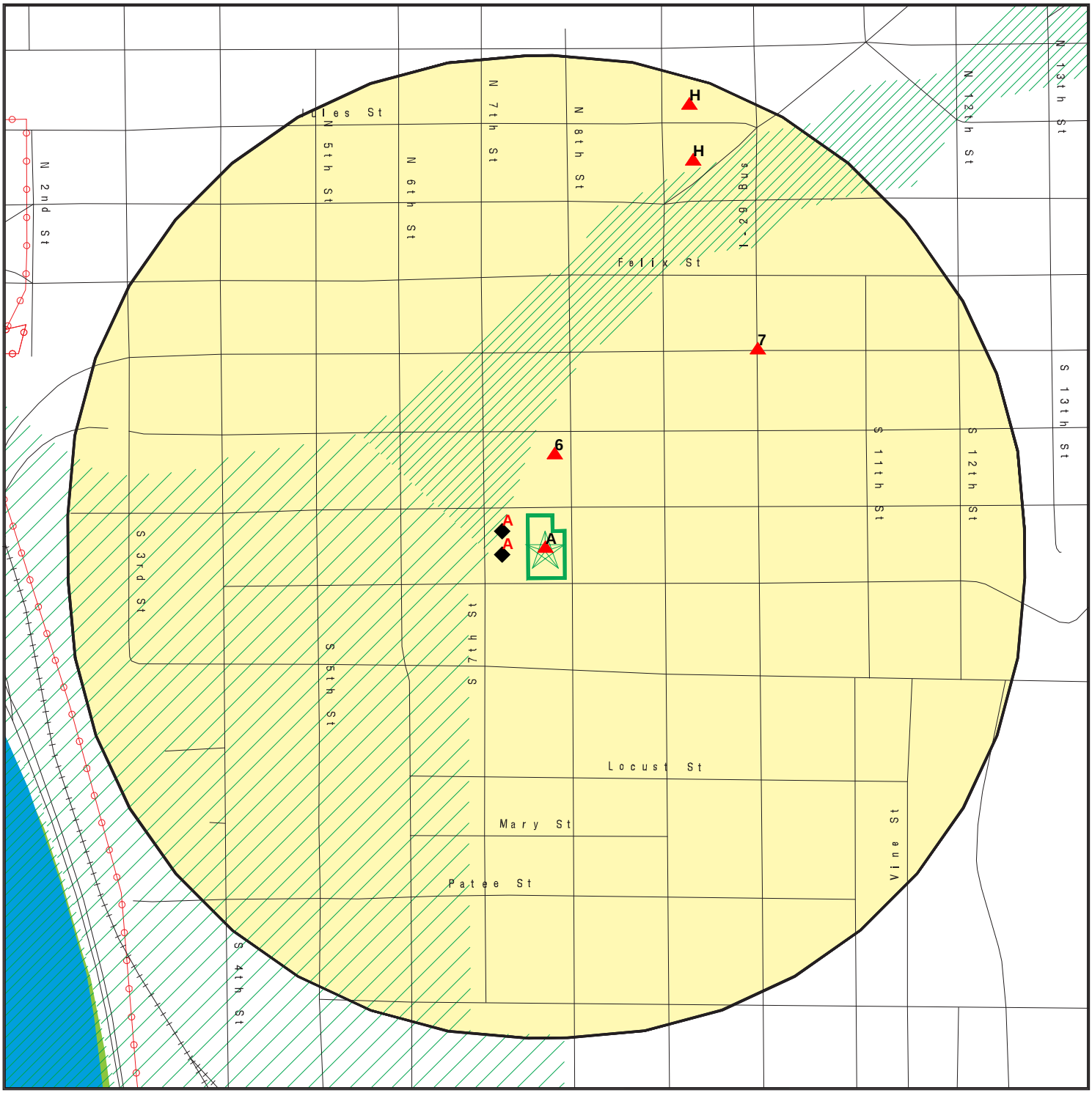
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
GIRNER OLDSMOBILE INC EDR Hist Auto: EDR Hist Auto	302 S 8TH	<1/10 N	▲ 6	24

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 5176168.2S



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

0 300 1/3 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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

SITE NAME:	Mead-Hansen Building	CLIENT:	Tetra Tech EMI
ADDRESS:	408 S 8TH ST SAINT JOSEPH MO 64501	CONTACT:	John Simpson
LAT/LONG:	39.763769 / 94.851045	INQUIRY #:	5176168.2s
		DATE:	February 02, 2018 1:01 pm

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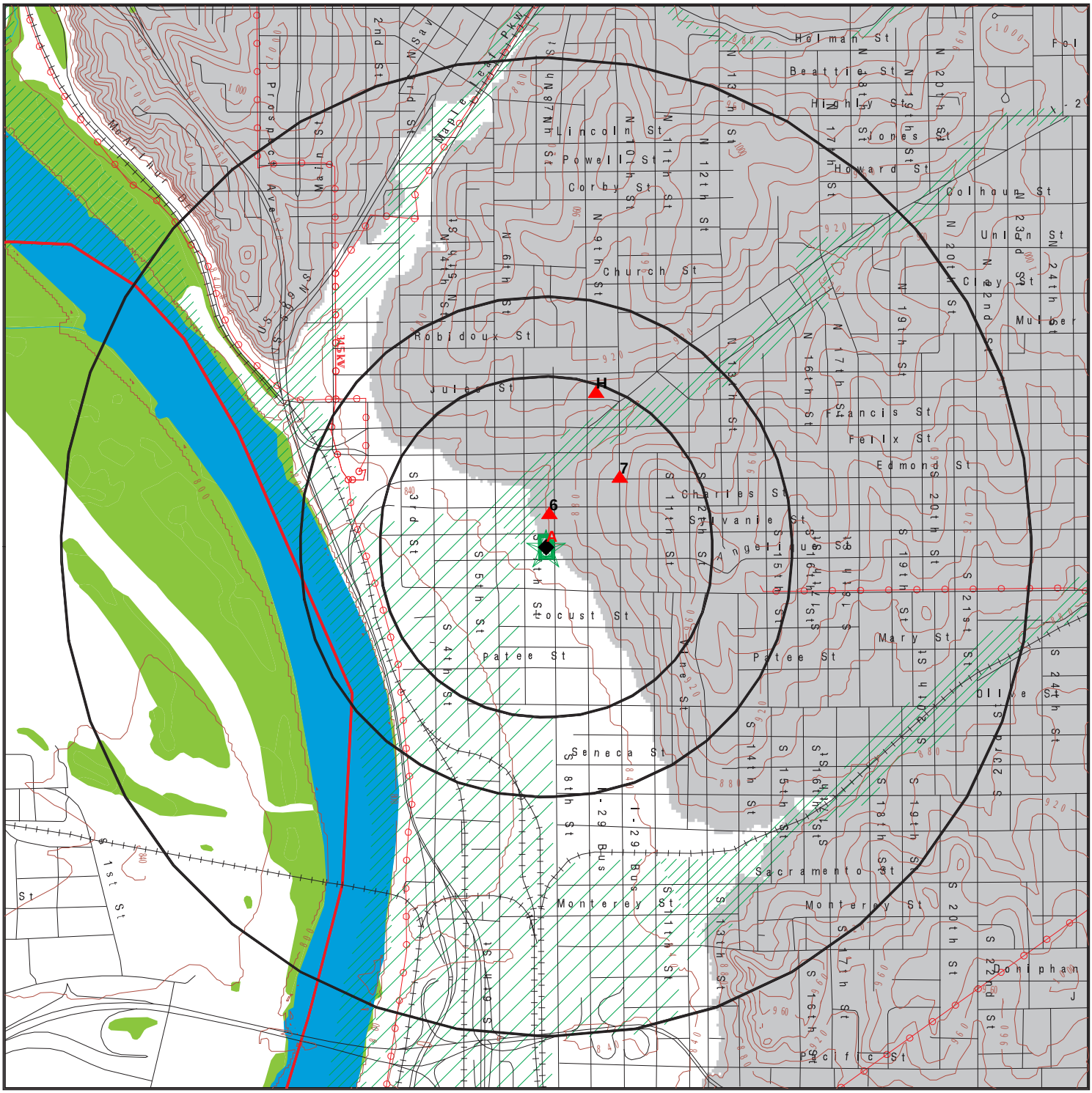
SECONDARY MAP - 5176168.2S



- 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
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area

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: Mead-Hansen Building	CLIENT: Tetra Tech EMI
ADDRESS: 408 S 8TH ST SAINT JOSEPH MO 64501	CONTACT: John Simpson
LAT/LONG: 39.763769 / 94.851045	INQUIRY #: 5176168.2s DATE: February 02, 2018 1:01 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) Relative Elevation Feet Above Sea Level	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.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

MEAD HANSEN BUILDING 408 S 8TH, ST. JOSEPH, MO, 64501		S118853692
▲ A1	Target Property 854 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

SMARS: Other Ascertainable Records

SM Number:	12703
CERCLIS:	Not Reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not Reported
Tank Site Identification #:	Not Reported
Tank Remediation #:	Not Reported
Registry:	No
Site Code:	Not Reported
Other Site Code:	Not Reported

HPI SOUTH EIGHTH STREET 424 SOUTH 8TH STREET, ST JOSEPH, MO, 64501		1010417200
▲ A2	ESE <1/10 (0 ft. / 0 mi.) 2 ft. Higher Elevation 856 ft. Above Sea Level	Federal CERCLIS list

Worksheet:

SEMS: Federal CERCLIS list

HPI SOUTH EIGHTH STREET, 424 SOUTH 8TH STREET, ST JOSEPH, MO 64501 (Continued)

Site ID:	705793
EPA ID:	MON000705793
Cong District:	6
FIPS Code:	29021
Latitude:	Not Reported
Longitude:	Not Reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region:	7
Site ID:	705793
EPA ID:	MON000705793
Site Name:	HPI SOUTH EIGHTH STREET
NPL:	N
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2009-11-03 00:00:00
Finish Date:	Not Reported
Qual:	V
Current Action Lead:	EPA Perf

Region:	7
Site ID:	705793
EPA ID:	MON000705793
Site Name:	HPI SOUTH EIGHTH STREET
NPL:	N
FF:	N
OU:	0
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	2007-03-11 00:00:00
Finish Date:	3/27/2007
Qual:	Not Reported
Current Action Lead:	EPA Perf

Region:	7
Site ID:	705793
EPA ID:	MON000705793
Site Name:	HPI SOUTH EIGHTH STREET
NPL:	N
FF:	N
OU:	0
Action Code:	BB
Action Name:	PRP RV
SEQ:	1

HPI SOUTH EIGHTH STREET, 424 SOUTH 8TH STREET, ST JOSEPH, MO 64501 (Continued)

Start Date:	2007-03-26 00:00:00
Finish Date:	Not Reported
Qual:	S
Current Action Lead:	EPA Ovrsght

HPI PRODUCTS INC 424 S 8TH ST, ST JOSEPH, MO, 64501			1010322891
▲ A3	ESE <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Higher Elevation	856 ft. Above Sea Level	

Worksheet:

RCRA NonGen / NLR: Other Ascertainable Records

Date form received by agency:	08/31/2009
Facility name:	HPI PRODUCTS INC
Facility address:	424 S 8TH ST ST JOSEPH, MO 64501
EPA ID:	MOR000526053
Mailing address:	P O BOX 997 ST JOSEPH, MO 64502
Contact:	SID L HOOVER
Contact address:	P O BOX 997 ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-233-1237
Telephone ext.:	1314
Contact email:	SHOOVER@HPIPI.COM
EPA Region:	07
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HPI PRODUCTS INC
Owner/operator address:	P O BOX 997 ST JOSEPH, MO 64502
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Owner/operator email:	Not Reported
Owner/operator fax:	Not Reported
Owner/operator extension:	Not Reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/15/1996
Owner/Op end date:	Not Reported

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

Owner/operator name:	ST JOSEPH PROPORTIES
Owner/operator address:	P O BOX 997 ST JOSEPH, MO 64502
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Owner/operator email:	Not Reported
Owner/operator fax:	Not Reported
Owner/operator extension:	Not Reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	04/15/1996
Owner/Op end date:	Not Reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency:	02/22/2008
Site name:	HPI PRODUCTS INC
Classification:	Large Quantity Generator
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D037
. Waste name:	PENTACHLOROPHENOL
. Waste code:	F002
. Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. 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:	U240
. Waste name:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D
. Waste code:	U279
. Waste name:	CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE
Date form received by agency:	04/16/2007
Site name:	HPI PRODUCTS INC
Classification:	Large Quantity Generator
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	F002
. Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. 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.
. Waste code:	F027
. Waste name:	DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
. Waste code:	P039
. Waste name:	DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER
. Waste code:	P044
. Waste name:	DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER
. Waste code:	P089
. Waste name:	PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER
. Waste code:	U001
. Waste name:	ACETALDEHYDE (I) (OR) ETHANAL (I)
. Waste code:	U002
. Waste name:	2-PROPANONE (I) (OR) ACETONE (I)
. Waste code:	U003
. Waste name:	ACETONITRILE (I,T)
. Waste code:	U019
. Waste name:	BENZENE (I,T)
. Waste code:	U031
. Waste name:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

- Waste code: U055
- Waste name: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)

- Waste code: U056
- Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

- Waste code: U057
- Waste name: CYCLOHEXANONE (I)

- Waste code: U092
- Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)

- Waste code: U108
- Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

- Waste code: U112
- Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

- Waste code: U122
- Waste name: FORMALDEHYDE

- Waste code: U129
- Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

- Waste code: U136
- Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

- Waste code: U140
- Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

- Waste code: U145
- Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

- Waste code: U154
- Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

- Waste code: U165
- Waste name: NAPHTHALENE

- Waste code: U176
- Waste name: N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-

- Waste code: U177
- Waste name: N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-

- Waste code: U183
- Waste name: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

- Waste code: U220
- Waste name: BENZENE, METHYL- (OR) TOLUENE

- Waste code: U239
- Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

- Waste code: U240
- Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

- Waste code: U244

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

. Waste name:	THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM
. Waste code:	U249
. Waste name:	ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS
. Waste code:	U359
. Waste name:	ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER
Date form received by agency:	04/02/2007
Site name:	HPI PRODUCTS INC
Classification:	Not a generator, verified

Facility Has Received Notices of Violations:

Regulation violated:	Not Reported
Area of violation:	Generators - General
Date violation determined:	03/13/2007
Date achieved compliance:	Not Reported
Violation lead agency:	EPA
Enforcement action:	FINAL IMMINENT HAZARD ORDER
Enforcement action date:	03/30/2007
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	Not Reported
Area of violation:	Generators - General
Date violation determined:	03/13/2007
Date achieved compliance:	Not Reported
Violation lead agency:	EPA
Enforcement action:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date:	01/12/2011
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	Not Reported
Area of violation:	Generators - General
Date violation determined:	03/13/2007
Date achieved compliance:	Not Reported
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/03/2007
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	Not Reported
Area of violation:	Generators - General
Date violation determined:	03/13/2007
Date achieved compliance:	Not Reported
Violation lead agency:	EPA
Enforcement action:	REFERRAL TO DEPARTMENT OF JUSTICE
Enforcement action date:	09/27/2007
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported
Regulation violated:	Not Reported
Area of violation:	Generators - General
Date violation determined:	03/13/2007
Date achieved compliance:	Not Reported
Violation lead agency:	EPA
Enforcement action:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date:	12/23/2008
Enf. disposition status:	Not Reported
Enf. disp. status date:	Not Reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not Reported
Final penalty amount:	Not Reported
Paid penalty amount:	Not Reported

Evaluation Action Summary:

Evaluation date:	10/09/2012
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	03/21/2007
Evaluation:	SIGNIFICANT NON-COMPLIER
Area of violation:	Generators - General
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	03/20/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA
Evaluation date:	03/13/2007
Evaluation:	FOCUSED COMPLIANCE INSPECTION

HPI PRODUCTS INC, 424 S 8TH ST, ST JOSEPH, MO 64501 (Continued)

Area of violation:	Generators - General
Date achieved compliance:	Not Reported
Evaluation lead agency:	EPA

EPA WATCH LIST: Other Ascertainable Records

Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	November 2012 Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	December 2012 Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	June 2013 RCRA Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	April 2013 RCRA Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	May 2013 RCRA Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	March 2013 RCRA Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	August 2013 Watch List
Facility ID:	MOR000526053
Program:	RCRA Facilities
List date:	July 2013 Watch List

CENTRAL FIRE STATION 401 S 7TH ST, ST JOSEPH, MO, 64501			U003164663
◆ A4	WNW <1/10	(99 ft. / 0.019 mi.)	State and tribal leaking storage tank lists State and tribal registered storage tank lists
	4 ft. Lower Elevation	850 ft. Above Sea Level	

Worksheet:

LUST: State and tribal leaking storage tank lists

Facility ID:	ST0009327
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not Reported
Spill Number:	Not Reported
Release Date:	11/18/1998
Release Type:	UNDERGROUND STORAGE TANK

CENTRAL FIRE STATION, 401 S 7TH ST, ST JOSEPH, MO 64501 (Continued)

Date Cleanup Started:	11/18/1998
Date Cleanup Finished:	03/07/2004
Expedited:	No
Expedited Date:	Not Reported
Expenditures From The American Recovery and Reinvestment Act of 2009:	No
Reopened Date:	Not Reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**2004-07-22 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R006412
Rank:	14
Emergeny Response Date:	Not Reported
Emergency Cleanup Start:	Not Reported
Referred To DGLS for Investigation:	Not Reported
Contractor Performing Clean Up:	301
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not Reported
Date Added:	05/25/1999
Date Record Edited:	07/23/2004
Person Adding Or Editing Record:	REPPER, S
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not Reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/25/99 Cont. found during tank closure. 11/4/99 kk response letter. Item 1 ok but asked for doc for haz waste disposal and for SC (3rd time). 12/30/99 kk letter rev asking for extension due to new contractor and bid procedure. aproved. 1/26/99 phone call from contractor indicating that info I asked for was in previous correspondance, if so that item is ok, still need SC plan. City is working on that. 4/11/00 kk rev letter asking for extension of time to submit SC plan. Approved 01/29/01 kk rev SC report (1/16/01). Soil cont limited to tank pit, cannot be excavated due to structural integrity of building. Gw cont in MW-2,3,5. Req quarterly gw mont. Events. 07/27/01 kk rev work plan dated June 21, 2001. Approved gw monitoring for one year. 4/5/02 kk rev file. Req update on gw mont activities. 3/11/03 BAS - Sent request update letter. 6/4/03 BAS - received update letter

CENTRAL FIRE STATION, 401 S 7TH ST, ST JOSEPH, MO 64501 (Continued)

dated April 2, 2003 stating that a notice to proceed and contract has been sent to Stevens and Associates to proceed with GWM. 1/2/04 MLM - Revew 1st qrtly gw monitoring report dated May 2, 2003. Nothing detected. Consultant recommends 3 additional quarters of monitirong to verify. Responed with approval and recommend MRBCA, request MRBCA proposal. 1/15/04 MLM - Revew 2nd qtrly gw mon report. Concentrations are below cleanup standards. They recommend additional 2 qtrs monitoring - approved 2/4/04 MLM - Rev Nov 26, 2003 3rd qtrly gw mon report. Concentrations are below cleanup standards. They recommend a 4 th sample round to confirm results - approved. 21/17/04 MLM - call from consultant, will not be able to sample until March due to weather, they will send a letter. 7/13/04 RPS - Reviewed March groundwater monitoring report. Drafted NFA letter. 07/22/04 RPS - NFA letter went out.

UST: State and tribal registered storage tank lists

Facility ID:	ST0009327
Region:	KC
Easting:	341404.219
Northing:	4403197.91
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/27/2013
Lat/Long:	39.7641012 / -94.851904
Lat/Long (dms):	Not Reported

Tanks:

Owner:

Owner ID:	OW06613
Owner Name:	CITY OF ST JOSEPH
Owner Address:	1100 FREDERICK AVENUE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2714670
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not Reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-05-24 00:00:00
Name of Person Editing Record:	NREQHW-WILDB

CENTRAL FIRE STATION, 401 S 7TH ST, ST JOSEPH, MO 64501 (Continued)

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not Reported
Date Tank Installed:	01/01/1955
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not Reported
Code for Tank Installer:	Not Reported
Other Type Of Tank Material:	Not Reported
Tank Internal Protection:	Not Reported
Other Tank Internal Protection:	Not Reported
Tank Internal Protection Date:	Not Reported
Tank External Protection:	Not Reported
Other Type Tank Extrn Protec:	Not Reported
Tank External Protec Date:	Not Reported
Date Tank Last Used:	01/01/1985
Date Tank Permanently Closed/ Removed:	10/19/1998
Dt Tk Exp Brought InUse/Internal Tracking:	Not Reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not Reported
Temporary Status Verified Date:	Not Reported
Admin Fee 585:	Not Reported
Date Administratively Closed:	Not Reported
Date Record Added:	06/30/1995
Date Record Edited:	05/25/1999
Person Adding/Editing Record:	NREQHW-WILDB
Date Of NFA Letter:	10/19/1998
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/06/1998
Date Of Aprroval Letter:	1998-10-19 00:00:00
Firm Closing Tank:	PW STEPHENS
Date Closure Report Received:	1999-04-23 00:00:00
Registration End Date:	Not Reported
LockOut Flag:	No
Comments:	Not Reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23047
Tank PK:	23047
Case Number:	Not Reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not Reported
Capacity:	850

CENTRAL FIRE STATION, 401 S 7TH ST, ST JOSEPH, MO 64501 (Continued)

Substance:	Gasoline, Including Blends
Substance Other:	Not Reported
Hazardous Substance:	Not Reported
Mixture:	False
Date of Last Use:	1985-01-01 00:00:00
Pipe Installation Date:	Not Reported
Pipe System:	0
Pipe Material:	0
Pipe Material Other:	Not Reported
Pipe Protection:	Not Reported
Pipe Protection Date:	Not Reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06613
Owner Name:	CITY OF ST JOSEPH
Owner Address:	1100 FREDERICK AVENUE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2714670
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not Reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-05-24 00:00:00
Name of Person Editing Record:	NREQHW-WILDB

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not Reported
Date Tank Installed:	Not Reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not Reported
Code for Tank Installer:	Not Reported
Other Type Of Tank Material:	Not Reported
Tank Internal Protection:	Not Reported
Other Tank Internal Protection:	Not Reported
Tank Internal Protection Date:	Not Reported
Tank External Protection:	Not Reported
Other Type Tank Extrn Protec:	Not Reported
Tank External Protec Date:	Not Reported
Date Tank Last Used:	01/01/1985
Date Tank Permanently Closed/ Removed:	10/19/1998
Dt Tk Exp Brought InUse/Internal Tracking:	Not Reported
Tank Fees Waived:	No

CENTRAL FIRE STATION, 401 S 7TH ST, ST JOSEPH, MO 64501 (Continued)

Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not Reported
Temporary Status Verified Date:	Not Reported
Admin Fee 585:	Not Reported
Date Administratively Closed:	Not Reported
Date Record Added:	05/25/1999
Date Record Edited:	Not Reported
Person Adding/Editing Record:	NREQHW-WILDB
Date Of NFA Letter:	10/19/1998
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/06/1998
Date Of Aprroval Letter:	1998-10-19 00:00:00
Firm Closing Tank:	PW STEPHENS
Date Closure Report Received:	1999-04-23 00:00:00
Registration End Date:	Not Reported
LockOut Flag:	No
Comments:	Not Reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23048
Tank PK:	23048
Case Number:	Not Reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not Reported
Capacity:	300
Substance:	Diesel
Substance Other:	Not Reported
Hazardous Substance:	Not Reported
Mixture:	False
Date of Last Use:	1985-01-01 00:00:00
Pipe Installation Date:	Not Reported
Pipe System:	0
Pipe Material:	0
Pipe Material Other:	Not Reported
Pipe Protection:	Not Reported
Pipe Protection Date:	Not Reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0009327
Tank Id:	1
Site Usage:	Not Reported
Risk Type:	Not Reported
Soil Type:	Not Reported
GW Flow:	Not Reported

CENTRAL FIRE STATION, 401 S 7TH ST, ST JOSEPH, MO 64501 (Continued)

Offsite Impact:	Not Reported
Free Product:	Not Reported
Drinking Water:	Not Reported
Closed Under:	Not Reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009327
Tank Id:	2
Site Usage:	Not Reported
Risk Type:	Not Reported
Soil Type:	Not Reported
GW Flow:	Not Reported
Offsite Impact:	Not Reported
Free Product:	Not Reported
Drinking Water:	Not Reported
Closed Under:	Not Reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

ST. JOSEPH FIRE TRUCK PARKING GARAGE 415 S. 7TH ST., ST. JOSEPH, MO, 64501		S118557549	
◆ A5	W <1/10	(100 ft. / 0.019 mi.)	Other Ascertainable Records
	6 ft. Lower Elevation	848 ft. Above Sea Level	

Worksheet:

SMARS: Other Ascertainable Records

SM Number:	12611
CERCLIS:	Not Reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not Reported
Tank Site Identification #:	Not Reported
Tank Remediation #:	Not Reported

ST. JOSEPH FIRE TRUCK PARKING GARAGE, 415 S. 7TH ST., ST. JOSEPH, MO 64501 (Continued)

Registry:	No
Site Code:	Not Reported
Other Site Code:	Not Reported

GIRNER OLDSMOBILE INC 302 S 8TH, ST JOSEPH, MO, 64501			1020416756
▲ 6	N <1/10	(230 ft. / 0.044 mi.)	EDR Exclusive Records
	7 ft. Higher Elevation	861 ft. Above Sea Level	

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1977:	GIRNER OLDSMOBILE INC / Gasoline Service Stations

ROBIDOUX EDMOND AND 10TH ST, ST JOSEPH, MO, 64501			U003981268
▲ 7	NE 1/10 - 1/3	(1007 ft. / 0.191 mi.)	State and tribal leaking storage tank lists State and tribal registered storage tank lists
	60 ft. Higher Elevation	914 ft. Above Sea Level	

Worksheet:

LUST: State and tribal leaking storage tank lists

Facility ID:	ST5830202
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not Reported
Spill Number:	Not Reported
Release Date:	04/25/1990
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	04/25/1990
Date Cleanup Finished:	01/29/1991
Expedited:	No
Expedited Date:	Not Reported
Expenditures From The American Recovery and Reinvestment Act of 2009:	No
Reopened Date:	Not Reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1991-01-30 00:00:00**
Date Record Meets Archive Criteria:	Not Reported
Remediation ID:	R002013
Rank:	Not Reported
Emergeny Response Date:	Not Reported
Emergency Cleanup Start:	Not Reported
Referred To DGLS for Investigation:	Not Reported

ROBIDOUX, EDMOND AND 10TH ST, ST JOSEPH, MO 64501 (Continued)

Contractor Performing Clean Up:	Not Reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not Reported
Date Added:	06/30/1995
Date Record Edited:	02/20/2017
Person Adding Or Editing Record:	BROWN, R
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not Reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not Reported

UST: State and tribal registered storage tank lists

Facility ID:	ST5830202
Region:	KC
Easting:	341683.340
Northing:	4403420.09
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	BROWN, R
Date GIS Data Collected:	03/28/2017
Lat/Long:	39.7657439 / -94.848240
Lat/Long (dms):	Not Reported

Tanks:

Owner:

Owner ID:	Not Reported
Owner Name:	Not Reported
Owner Address:	Not Reported
Owner City,St,Zip:	Not Reported
Owner County Code:	Not Reported
Owner Phone:	Not Reported
Mail Was Not Deliverable:	Not Reported
Is Owner Active?:	Not Reported
Date Registration Received:	Not Reported
Date Record Added:	Not Reported
Date Record Edited:	Not Reported
Name of Person Editing Record:	Not Reported

Tank ID:	Not Reported
Tank Double Wall:	Not Reported
Tank Type:	Not Reported
Tank Status:	Not Reported
Meet 98 Update Requirements:	Not Reported
Date Tank Installed:	Not Reported
Tank Material:	Not Reported
Code for Tank Material Manufacturer:	Not Reported

ROBIDOUX, EDMOND AND 10TH ST, ST JOSEPH, MO 64501 (Continued)

Code for Tank Installer:	Not Reported
Other Type Of Tank Material:	Not Reported
Tank Internal Protection:	Not Reported
Other Tank Internal Protection:	Not Reported
Tank Internal Protection Date:	Not Reported
Tank External Protection:	Not Reported
Other Type Tank Extrn Protec:	Not Reported
Tank External Protec Date:	Not Reported
Date Tank Last Used:	Not Reported
Date Tank Permanently Closed/ Removed:	Not Reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not Reported
Tank Fees Waived:	Not Reported
Expedite Closure On Tank?:	Not Reported
Responsible Person Expediting Closure:	Not Reported
Temporary Status Verified Date:	Not Reported
Admin Fee 585:	Not Reported
Date Administratively Closed:	Not Reported
Date Record Added:	Not Reported
Date Record Edited:	Not Reported
Person Adding/Editing Record:	Not Reported
Date Of NFA Letter:	Not Reported
Is Tank Used For Emergency Generator:	Not Reported
Date Closure Notice Received:	Not Reported
Date Of Aprroval Letter:	Not Reported
Firm Closing Tank:	Not Reported
Date Closure Report Received:	Not Reported
Registration End Date:	Not Reported
LockOut Flag:	Not Reported
Comments:	Not Reported

Tank Aug 2011:

Facility Id:	ST5830202
Tank Id:	Not Reported
Site Usage:	Not Reported
Risk Type:	Not Reported
Soil Type:	Not Reported
GW Flow:	Not Reported
Offsite Impact:	Not Reported
Free Product:	Not Reported
Drinking Water:	Not Reported
Closed Under:	Not Reported
No Drinking Wells:	Not Reported
No Buildings:	Not Reported
Vapor Barrier:	Not Reported
St Louis Mo:	Not Reported
Special Well Area:	Not Reported
Surface Cap:	Not Reported

ROBIDOUX, EDMOND AND 10TH ST, ST JOSEPH, MO 64501 (Continued)

No Excavation: Not Reported

ST. JOSEPH CONVENTION COMMUNITY CENTER 911 FREDERICK AVE., ST. JOSEPH, MO, 64501			S118853700
▲ H8	NNE 1/10 - 1/3	(1457 ft. / 0.276 mi.)	Other Ascertainable Records
	24 ft. Higher Elevation	878 ft. Above Sea Level	

Worksheet:

SMARS: Other Ascertainable Records

SM Number: 12686
CERCLIS: Not Reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: No
Federal Facilities Ownership: No
Permits Ownership: No
NPL Date: Not Reported
Tank Site Identification #: Not Reported
Tank Remediation #: Not Reported
Registry: No
Site Code: Not Reported
Other Site Code: Not Reported

FALKNER PLUMBING 901 JULES ST, ST. JOSEPH, MO, 64501-1902			S116753913
▲ H9	NNE 1/10 - 1/3	(1653 ft. / 0.313 mi.)	Other Ascertainable Records
	37 ft. Higher Elevation	891 ft. Above Sea Level	

Worksheet:

SMARS: Other Ascertainable Records

SM Number: 12522
CERCLIS: Not Reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: Yes
Federal Facilities Ownership: No
Permits Ownership: No
NPL Date: Not Reported
Tank Site Identification #: Not Reported
Tank Remediation #: Not Reported
Registry: No
Site Code: Not Reported
Other Site Code: Not Reported

MAP FINDINGS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	12/11/2017	12/22/2017	01/05/2018
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/11/2017	12/22/2017	01/05/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	12/11/2017	12/22/2017	01/12/2018
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	09/13/2017	09/26/2017	10/06/2017
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/22/2017	06/13/2017	09/15/2017
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/10/2017	08/30/2017	10/13/2017
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	08/10/2017	08/30/2017	10/13/2017
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/18/2017	09/21/2017	10/13/2017
State and tribal - equivalent CERCLIS						
MO	HWS DETAIL	Registry Annual Report	Department of Natural Resources	06/30/2016	06/08/2017	09/29/2017
MO	SHWS	Registry of Confirmed Abandoned or Uncontrolled Hazardous Wa	Department of Natural Resources	10/17/2017	11/30/2017	12/15/2017
KS	SHWS	Identified Sites List	Department of Health and Environment	10/10/2017	10/12/2017	11/21/2017
State and tribal landfill / solid waste disposal						
MO	SWF/LF	Solid Waste Facility List	Department of Natural Resources	11/02/2017	11/20/2017	12/15/2017
KS	SWF/LF	Directory of Sanitary Landfills, Solid Waste Transfer Statio	Department of Health and Environment	08/16/2017	08/18/2017	10/02/2017
State and tribal leaking storage tank lists						
MO	LAST	Leaking Aboveground Storage Tanks	Department of Natural Resources	12/05/2017	12/13/2017	01/22/2018
MO	LUST	Leaking Underground Storage Tanks	Department of Natural Resources	12/05/2017	12/13/2017	01/22/2018
KS	LAST	Leaking Aboveground Storage Tanks	Department of Health & Environment	01/02/2018	01/05/2018	01/23/2018
KS	LUST	Leaking Underground Storage Tank Data	Department of Health and Environment	01/02/2018	01/05/2018	01/23/2018
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/25/2017	11/07/2017	12/08/2017
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/14/2017	07/27/2017	10/06/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	10/06/2017
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/13/2017
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/13/2017	07/27/2017	10/13/2017
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2017	07/27/2017	10/06/2017
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/26/2017	07/27/2017	10/13/2017
State and tribal registered storage tank lists						
MO	UST	Petroleum Storage Tanks	Department of Natural Resources	12/05/2017	12/13/2017	01/22/2018
KS	UST	Underground Storage Tank Data	Department of Health and Environment	10/13/2017	10/20/2017	12/13/2017
MO	AST	Aboveground Petroleum Storage Tanks	Department of Agriculture	12/05/2017	12/13/2017	01/25/2018
KS	AST	Aboveground Storage Tank Data	Department of Health and Environment	10/13/2017	10/20/2017	12/13/2017
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/13/2017
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/25/2017	07/27/2017	10/13/2017
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/13/2017	07/27/2017	10/13/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/14/2017	07/27/2017	10/06/2017
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/02/2017	07/27/2017	10/06/2017
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	12/08/2017
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/26/2017	07/27/2017	10/06/2017
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
State and tribal institutional control / engineering control registries						
MO	AUL	Sites with Controls	Department of Natural Resources	11/30/2017	12/13/2017	01/22/2018
State and tribal voluntary cleanup sites						
MO	VCP	Sites Participating in the Voluntary Cleanup Program	Department of Natural Resources	11/30/2017	12/13/2017	01/22/2018
KS	VCP	Identified Sites List	Department of Health & Environment	10/10/2017	10/12/2017	11/21/2017
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
MO	BROWNFIELDS	Brownfields Site List	Department of Natural Resources	11/30/2017	12/13/2017	01/22/2018
KS	BROWNFIELDS	Identified Sites List	Department of Health & Environment	10/10/2017	10/12/2017	11/21/2017
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2017	11/10/2017	01/12/2018
US	ROD	Records Of Decision	EPA	12/11/2017	12/22/2017	01/12/2018
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/11/2017	12/22/2017	01/12/2018
MO	DEL SHWS	Registry Sites Withdrawn or Deleted	Department of Natural Resources	10/17/2017	11/30/2017	12/15/2017
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
MO	SWRCY	Solid Waste Recycling Facilities	Department of Natural Resources	11/26/2017	11/27/2017	12/18/2017
MO	HIST LF	Solid Waste Facility Database List	Department of Natural Resources	04/12/2005	07/19/2006	08/18/2006
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	10/17/2017	11/01/2017	12/08/2017
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/10/2017	11/03/2017	12/15/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	07/13/2017	09/06/2017	10/06/2017
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	Delisted NPL	National Priority List Deletions	EPA	12/11/2017	12/22/2017	01/05/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/11/2017	12/22/2017	01/12/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/21/2017	09/21/2017	10/13/2017
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	07/13/2017	09/06/2017	10/06/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	08/21/2017	09/20/2017	12/08/2017
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	10/29/2017	11/28/2017	01/12/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	10/02/2017	10/05/2017	10/13/2017
US	FINDS	Facility Index System/Facility Registry System	EPA	07/23/2017	09/06/2017	09/15/2017
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
MO	AIRS	Permit Facility Listing	Department of Natural Resources	10/21/2017	10/24/2017	12/15/2017
KS	AIRS	Title V Source Information	Department of Health & Environment	12/31/2016	12/28/2017	01/23/2018
MO	CDL	Environmental Emergency Response System	Department of Natural Resources	11/27/2017	12/13/2017	01/22/2018
KS	CDL	Clandestine Laboratory Data	Department of Health and Environment	09/29/2009	10/02/2009	10/20/2009
MO	COAL ASH	Coal Ash Disposal Sites	Department of Natural Resources	04/04/2017	04/06/2017	09/29/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
KS	COAL ASH	Coal Ash Disposal Site Listing	Department of Health & Environment	10/17/2016	10/21/2016	12/21/2016
MO	DRYCLEANERS	Drycleaners in Missouri Listing	Department of Natural Resources	11/30/2017	12/13/2017	01/18/2018
KS	DRYCLEANERS	Registered Drycleaning Facilities	Department of Health & Environment	12/19/2017	12/20/2017	01/23/2018
KS	Financial Assurance	Financial Assurance Information Listing	Department of Health & Environment	10/13/2017	10/20/2017	12/13/2017
MO	Financial Assurance 1	Financial Assurance Information Listing	Department of Natural Resources	12/11/2017	12/14/2017	01/22/2018
MO	Financial Assurance 2	Financial Assurance Information Listing	Department of Natural Resources	07/12/2017	09/07/2017	10/19/2017
MO	MINES	Industrial Mineral Mines Database	Department of Natural Resources	09/12/2014	10/23/2014	12/01/2014
MO	NPDES	Permitted Facility Listing	Department of Natural Resources	01/18/2018	01/19/2018	01/29/2018
KS	NPDES	Wastewater Permit Listing	Department of Health & Environment	09/14/2017	09/19/2017	10/24/2017
MO	RRC	Certified Hazardous Waste Resource Recovery Facilities	Department of Natural Resources	12/20/2017	01/09/2018	01/22/2018
MO	SMARS	Site Management and Reporting System	Department of Natural Resources	10/18/2017	11/01/2017	01/04/2018
MO	SPILLS	Environmental Response Tracking Database	Department of Natural Resources	11/27/2017	12/13/2017	01/22/2018
KS	SPILLS	Kansas Spills Database	Department of Health and Environment	06/29/2017	08/08/2017	10/11/2017
KS	SPILLS 2	Spills Database	Kansas Corporation Commission	10/12/2017	10/19/2017	12/11/2017
MO	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/27/2012	01/03/2013	02/22/2013
MO	UIC	Underground Injection Wells Database	Department of Natural Resources	07/03/2017	08/25/2017	09/29/2017
KS	UIC	Underground Injection Wells Database Listing	Department of Health & Environment	11/14/2017	11/16/2017	12/11/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/25/2017	09/26/2017	10/20/2017
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/02/2017	09/06/2017	10/20/2017
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/20/2017	11/20/2017	01/12/2018
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	06/27/2017	11/21/2017	01/12/2018

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MO	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	01/03/2014
KS	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Health and Environment		07/01/2013	01/03/2014
MO	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Natural Resources		07/01/2013	01/15/2014
KS	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Health and Environment		07/01/2013	01/20/2014
MO	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Natural Resources		07/01/2013	01/03/2014
KS	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Health and Environment		07/01/2013	01/03/2014

STREET AND ADDRESS INFORMATION

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Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501

Inquiry Number: 5176168.2s
February 02, 2018

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), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

408 S 8TH ST
SAINT JOSEPH, MO 64501

COORDINATES

Latitude (North):	39.7637690 - 39° 45' 49.56''
Longitude (West):	94.8510450 - 94° 51' 3.76''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	341443.0
UTM Y (Meters):	4402967.5
Elevation:	854 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6723767 SAINT JOSEPH NORTH, MO
Version Date:	2015
South Map:	6723769 SAINT JOSEPH SOUTH, MO
Version Date:	2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150811, 20150629
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
408 S 8TH ST
SAINT JOSEPH, MO 64501

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MEAD HANSEN BUILDING	408 S 8TH	MO SMARS		TP
A2	HPI SOUTH EIGHTH STR	424 SOUTH 8TH STREET	SEMS	Higher	1 ft.
A3	HPI PRODUCTS INC	424 S 8TH ST	RCRA NonGen / NLR, EPA WATCH LIST	Higher	1 ft.
A4	CENTRAL FIRE STATION	401 S 7TH ST	MO LUST, MO UST	Lower	99, 0.019, WNW
A5	ST JOSEPH CENTRAL FI	401 S 7TH ST	RCRA NonGen / NLR	Lower	99, 0.019, WNW
A6	ST. JOSEPH FIRE TRUC	415 S. 7TH ST.	MO SMARS	Lower	100, 0.019, West
7	GIRNER OLDSMOBILE IN	302 S 8TH	EDR Hist Auto	Higher	230, 0.044, North
8	MERCURY-MILITARY MUS	701 MESSANIE STREET	SEMS-ARCHIVE	Lower	286, 0.054, SSW
9	BIX SERVICE (FORMER)	521 S. 6TH ST.	MO VCP, MO BROWNFIELDS, MO SMARS	Lower	456, 0.086, WSW
10	FEDERAL EXPRESS CORP	317 S 9TH ST	RCRA NonGen / NLR	Higher	480, 0.091, ENE
B11	SUNSHINE ELECTRONIC	501 SYLVANIE	RCRA NonGen / NLR	Lower	703, 0.133, WNW
B12	SUNSHINE ELECTRONIC	501 SYLVANIE STREET	MO AUL, MO VCP, MO AIRS, MO SMARS	Lower	703, 0.133, WNW
B13	SUNSHINE ELECTRIC	501 SYLVANIE ST	MO UST	Lower	703, 0.133, WNW
14	SALVATION ARMY	618 S 6TH ST	RCRA-CESQG	Lower	711, 0.135, SW
15	NEWS PRESS & GAZETTE	825 EDMOND ST	RCRA NonGen / NLR	Higher	737, 0.140, NNE
16	NEW BONUS AUTO THE	613 LOCUST ST	RCRA NonGen / NLR	Lower	759, 0.144, SSW
C17	BROWN TRANSFER & STO	MESSANIE ST BETWEEN	MO UST	Lower	828, 0.157, West
B18	ROBERTS DAIRY 2	302 SOUTH 5TH STREET	US BROWNFIELDS	Lower	854, 0.162, WNW
B19	HILAND DAIRY DIVISIO	221 S 5TH ST	MO LUST, MO UST	Lower	854, 0.162, WNW
B20	ROBERTS DAIRY 1	218 SOUTH 5TH STREET	US BROWNFIELDS	Lower	854, 0.162, WNW
B21	WICKERSHAM PROPERTY	324 SOUTH 5TH STREET	US BROWNFIELDS	Lower	868, 0.164, WNW
22	CENTRAL TRUCK SERVIC	5TH AND MESSANIE	MO UST	Lower	868, 0.164, WSW
C23	BROWN TRANSFER AND S	402 S. 5TH STREET	MO VCP, MO BROWNFIELDS, MO SMARS	Lower	874, 0.166, West
C24	CHASE CANDY	402 SOUTH 5TH STREET	US BROWNFIELDS	Lower	874, 0.166, West
C25	CHASE CANDY COMPANY	402 S 5TH ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	874, 0.166, West
C26	ENVIRONMENTAL SAMPLI	502 S 5TH ST	RCRA-SQG	Lower	900, 0.170, WSW
C27	CENTRAL TRUCK SERVIC	524 S 5TH	RCRA NonGen / NLR	Lower	902, 0.171, WSW
C28	STEPHEN ROSENAUER	524 S 5TH	MO UST	Lower	902, 0.171, WSW
29	SINGLE SOURCE INC	716 S 8TH ST	RCRA-CESQG, FINDS, ECHO	Lower	933, 0.177, South
B30	MID CITY PARTNERSHIP	421 SYLVANIE STREET	US BROWNFIELDS	Lower	936, 0.177, West
31	FORMER ST. JOSEPH PO	710 S 9TH ST	MO UST	Lower	945, 0.179, SSE
32	CREVISTON & SON JEWE	114 N 7TH	RCRA NonGen / NLR	Higher	982, 0.186, NNW
33	WARDS BUILDING	518 FELIX ST.	MO SMARS	Higher	1007, 0.191, NNW
34	ROBIDOUX	EDMOND AND 10TH ST	MO LUST, MO UST	Higher	1007, 0.191, NE
D35	ALLEY - CITY EASEMEN	WEST OF 402 S 5TH ST	US BROWNFIELDS	Lower	1045, 0.198, West
36	ROBERT LOWELL	428 EDMOND STREET	US BROWNFIELDS	Lower	1058, 0.200, NW
37	ST JOSEPH TRANSIT CI	702 S 5TH ST	RCRA NonGen / NLR	Lower	1061, 0.201, SW
C38	HEARTLAND REG MED CT	520 ANGELIQUE	RCRA NonGen / NLR	Lower	1065, 0.202, West
C39	HEARTLAND/LIGHT AND	502 ANGELIQUE	MO VCP, MO BROWNFIELDS, MO SMARS	Lower	1080, 0.205, West

MAPPED SITES SUMMARY

Target Property Address:
408 S 8TH ST
SAINT JOSEPH, MO 64501

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
C40	HEATLAND FOUNDATION	502 ANGELIQUE STREET	US BROWNFIELDS, FINDS	Lower	1080, 0.205, West
D41	HPI PRODUCTS INC	417 S 4TH ST	RCRA NonGen / NLR, EPA WATCH LIST	Lower	1099, 0.208, West
D42	HPI CHEMICAL PRODUCT	417 S. FOURTH ST.	SEMS	Lower	1099, 0.208, West
E43	ARNOLDS ANTIQUES	644 S 6 ST	RCRA NonGen / NLR	Lower	1114, 0.211, SSW
D44	RICHMOND SCREW ANCHO	315 S 4TH ST	RCRA NonGen / NLR	Lower	1124, 0.213, WNW
D45	RICHMOND SCREW ANCHO	315 S 4TH ST	SEMS-ARCHIVE	Lower	1124, 0.213, WNW
E46	INDEPENDENT ELECTRIC	611 PATEE ST	RCRA NonGen / NLR	Lower	1206, 0.228, SSW
47	ARENA	4TH AND CHARLES ST	MO UST	Lower	1209, 0.229, WNW
F48	HERZOG RED E MIX	613 PATEE	RCRA NonGen / NLR	Lower	1219, 0.231, SSW
49	FAMILY GUIDANCE CENT	422 FELIX ST 200 CO	RCRA NonGen / NLR	Higher	1230, 0.233, NW
D50	WECKERLE'S GROCERY	318-324 SOUTH FOURTH	US BROWNFIELDS	Lower	1236, 0.234, West
G51	ST JOSEPH LIGHT & PO	520 FRANCIS ST	RCRA-SQG, PADS	Higher	1266, 0.240, NNW
G52	ST JOSEPH LIGHT & PO	520 FRANCIS ST	SEMS-ARCHIVE, FTTS, HIST FTTS	Higher	1266, 0.240, NNW
53	AUTOMOTIVE BEARINGS	801 S 8TH ST	RCRA NonGen / NLR	Lower	1295, 0.245, South
54	LIVESTOCK EXCHANGE B	224 NORTH 7TH STREET	MO SMARS	Higher	1455, 0.276, NNW
H55	ST. JOSEPH CONVENTIO	911 FREDERICK AVE.	MO SMARS	Higher	1457, 0.276, NNE
I56	HPI PRODUCTS, INC -	313 SOUTH 3RD STREET	SEMS	Lower	1467, 0.278, West
F57	IMPERIAL SUPER GAS I	811 S 6TH ST	MO LUST, MO UST, MO NPDES	Lower	1467, 0.278, SSW
J58	ST. JOSEPH FMGP #3	802 S. 5TH ST. (SOUT	MO SMARS	Lower	1467, 0.278, SSW
J59	ST. JOSEPH FMGP #4	SW CORNER OF PATEE S	EDR MGP	Lower	1485, 0.281, SSW
I60	MCCORMICK BARRON BUI	310 SOUTH 3RD STREET	US BROWNFIELDS	Lower	1597, 0.302, West
K61	ADVANTAGE METALS REC	750 SOUTH 4TH STREET	MO AUL, MO VCP, MO SMARS	Lower	1631, 0.309, SW
I62	DOWNTOWN FURNITURE E	302 S. 3RD STREET	MO VCP, MO SMARS	Lower	1638, 0.310, WNW
H63	FALKNER PLUMBING	901 JULES ST	MO SMARS	Higher	1653, 0.313, NNE
J64	ST. JOSEPH FMGP #3	802 S. 5TH ST. (SOU	EDR MGP	Lower	1668, 0.316, SSW
J65	ST. JOSEPH FMGP #4	802 S. 5TH ST.	MO SMARS	Lower	1668, 0.316, SSW
J66	BROONER & ASSOCIATES	802 S. 5TH STREET	MO SMARS	Lower	1668, 0.316, SSW
K67	UNION PACIFIC RAILRO	SOUTHEAST CORNER OF	US BROWNFIELDS	Lower	1687, 0.320, SW
68	SOUTHWESTERN BELL TE	320 N 10TH	MO LUST, MO UST, RCRA NonGen / NLR	Higher	1795, 0.340, NNE
69	ST JOSEPH LIGHT & PO	S 5TH ST & OLIVE ST	SEMS-ARCHIVE	Lower	1796, 0.340, SSW
70	CRISWELL PETROLEUM P	916 S 9TH	MO LUST, MO UST	Lower	1824, 0.345, SSE
71	RONALD WOOD DBA LAKE	RFD 6	MO LUST, MO UST	Higher	1836, 0.348, NW
72	HEARTLAND REGIONAL M	801 FARAON ST	MO LUST, MO UST, MO SPILLS, MO AIRS	Higher	1869, 0.354, North
73	MERCURY-PATEE MARKET	904 SOUTH 10TH STREE	SEMS-ARCHIVE	Lower	1928, 0.365, SSE
74	SOUTHERN STAR CENTRA	151 S 2ND ST	MO VCP, MO SMARS	Lower	2020, 0.383, WNW
75	ST JOSEPH #3 FMGP	S 6TH ST & LAFAYETTE	SEMS-ARCHIVE	Lower	2091, 0.396, SSW
76	LAW ENFORCEMENT CENT	501 FARAON ST	MO LUST, MO UST	Higher	2162, 0.409, NNW
77	NORTH-BNSF	6TH AND 8TH MONTGOME	US BROWNFIELDS	Higher	2173, 0.412, ENE
78	FORMER AMOCO #244	1202 JULES ST	MO LUST, MO UST	Higher	2192, 0.415, NE

MAPPED SITES SUMMARY

Target Property Address:
408 S 8TH ST
SAINT JOSEPH, MO 64501

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	H & M LAWN SERVICE	616 SOUTH 15TH STREE	MO SWRCY	Higher	2394, 0.453, ESE
80	FARMLAND INDUSTRIES	FOURTH & SENECA STRE	MO SHWS, MO SMARS	Lower	2443, 0.463, SSW
81	ARTESIAN ICE & COLD	202-204 MAIN STREET	MO AUL, MO VCP, MO SMARS	Lower	2598, 0.492, WNW
82	GRAY AUTOMOTIVE PROD	510 SENNECA	MO LUST, MO UST	Lower	2620, 0.496, SSW
83	FARMLAND INDUSTRIES	4TH ST & SENECA ST	SEMS, PRP, CONSENT	Lower	2719, 0.515, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MEAD HANSEN BUILDING 408 S 8TH ST. JOSEPH, MO 64501	MO SMARS	N/A

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

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROL---------- Sites with Institutional Controls

Federal ERNS list

ERNS---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

KS SHWS---------- Identified Sites List

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

MO SWF/LF---------- Permitted Facility List
KS SWF/LF---------- Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector in Kansas

State and tribal leaking storage tank lists

MO LAST---------- Leaking Aboveground Storage Tanks
KS LUST---------- Leaking Underground Storage Tank Data
KS 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
KS UST---------- Underground Storage Tank Data
MO AST---------- Aboveground Petroleum Storage Tanks
KS AST---------- Aboveground Storage Tank Data
INDIAN UST---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

KS VCP---------- Identified Sites List
INDIAN VCP---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

KS BROWNFIELDS---------- Identified Sites List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

MO HIST LF---------- Solid Waste Facility Database List
INDIAN ODI---------- Report on the Status of Open Dumps on Indian Lands
ODI---------- Open Dump Inventory
DEBRIS REGION 9---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL---------- Delisted National Clandestine Laboratory Register
MO CDL---------- Environmental Emergency Response System

KS CDL ---- Clandestine Laboratory Data
MO DEL SHWS ---- Registry Sites Withdrawn or Deleted
US CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
KS SPILLS ---- Kansas Spills Database
MO SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
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
ICIS ---- Integrated Compliance Information System
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
DOT OPS ---- Incident and Accident Data
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
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
KS AIRS ---- Title V Source Information
MO COAL ASH ---- Coal Ash Disposal Sites
KS COAL ASH ---- Coal Ash Disposal Site Listing
MO DRYCLEANERS ---- Drycleaners in Missouri Listing
KS DRYCLEANERS ---- Registered Drycleaning Facilities
KS Financial Assurance ---- Financial Assurance Information Listing
MO Financial Assurance ---- Financial Assurance Information Listing
MO MINES ---- Industrial Mineral Mines Database
MO RRC ---- Certified Hazardous Waste Resource Recovery Facilities
MO UIC ---- Underground Injection Wells Database
KS UIC ---- Underground Injection Wells Database Listing

KS NPDES ---------- Wastewater Permit Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SEMS: 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.

A review of the SEMS list, as provided by EDR, and dated 12/11/2017 has revealed that there are 3 SEMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HPI SOUTH EIGHTH STR	424 SOUTH 8TH STREET	0 - 1/8 (0.000 mi.)	A2	8
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
HPI CHEMICAL PRODUCT	417 S. FOURTH ST.	W 1/8 - 1/4 (0.208 mi.)	D42	141

Lower Elevation	Address	Direction / Distance	Map ID	Page
HPI PRODUCTS, INC -	313 SOUTH 3RD STREET	W 1/4 - 1/2 (0.278 mi.)	I56	166

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 12/11/2017 has revealed that there are 6 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST JOSEPH LIGHT & PO	***520 FRANCIS ST***	***NNW 1/8 - 1/4 (0.240 mi.)***	***G52***	***162***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MERCURY-MILITARY MUS	701 MESSANIE STREET	SSW 0 - 1/8 (0.054 mi.)	8	23
RICHMOND SCREW ANCHO	315 S 4TH ST	WNW 1/8 - 1/4 (0.213 mi.)	D45	145
ST JOSEPH LIGHT & PO	S 5TH ST & OLIVE ST	SSW 1/4 - 1/2 (0.340 mi.)	69	193
MERCURY-PATEE MARKET	904 SOUTH 10TH STREE	SSE 1/4 - 1/2 (0.365 mi.)	73	222
ST JOSEPH #3 FMGP	S 6TH ST & LAFAYETTE	SSW 1/4 - 1/2 (0.396 mi.)	75	224

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST JOSEPH LIGHT & PO	***520 FRANCIS ST***	***NNW 1/8 - 1/4 (0.240 mi.)***	***G51***	***161***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ENVIRONMENTAL SAMPLI	502 S 5TH ST	WSW 1/8 - 1/4 (0.170 mi.)	C26	79

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SALVATION ARMY	618 S 6TH ST	SW 1/8 - 1/4 (0.135 mi.)	14	30
SINGLE SOURCE INC	***716 S 8TH ST***	***S 1/8 - 1/4 (0.177 mi.)***	***29***	***90***

State- and tribal - equivalent CERCLIS

MO SHWS: Registry and Registry Log.

A review of the MO SHWS list, as provided by EDR, has revealed that there is 1 MO SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FARMLAND INDUSTRIES	***FOURTH & SENECA STRE***	***SSW 1/4 - 1/2 (0.463 mi.)***	***80***	***243***
Database: SHWS, Date of Government Version: 10/17/2017				

State and tribal leaking storage tank lists

MO LUST: Leaking Underground Storage Tanks.

A review of the MO LUST list, as provided by EDR, and dated 12/05/2017 has revealed that there are 11 MO LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBIDOUX	***EDMOND AND 10TH ST***	***NE 1/8 - 1/4 (0.191 mi.)***	***34***	***100***
Facility Id: ST5830202				
Date Of NFA Letter From DNR: 1991-01-30 00:00:00				
SOUTHWESTERN BELL TE	***320 N 10TH***	***NNE 1/4 - 1/2 (0.340 mi.)***	***68***	***190***
Facility Id: ST0002617				
RONALD WOOD DBA LAKE	***RFD 6***	***NW 1/4 - 1/2 (0.348 mi.)***	***71***	***206***
Facility Id: ST0005499				
Date Of NFA Letter From DNR: 2002-06-24 00:00:00				
HEARTLAND REGIONAL M	***801 FARAON ST***	***N 1/4 - 1/2 (0.354 mi.)***	***72***	***212***
Facility Id: ST0005446				
LAW ENFORCEMENT CENT	***501 FARAON ST***	***NNW 1/4 - 1/2 (0.409 mi.)***	***76***	***225***
Facility Id: ST0018825				
Date Of NFA Letter From DNR: 2012-06-15 00:00:00				
FORMER AMOCO #244	***1202 JULES ST***	***NE 1/4 - 1/2 (0.415 mi.)***	***78***	***233***
Facility Id: ST0019352				

Date Of NFA Letter From DNR: 2010-02-05 00:00:00

Lower Elevation	Address	Direction / Distance	Map ID	Page
CENTRAL FIRE STATION	***401 S 7TH ST***	***WNW 0 - 1/8 (0.019 mi.)***	***A4***	***17***
Facility Id: ST0009327				
Date Of NFA Letter From DNR: 2004-07-22 00:00:00				
HILAND DAIRY DIVISIO	***221 S 5TH ST***	***WNW 1/8 - 1/4 (0.162 mi.)***	***B19***	***43***
Facility Id: ST0009341				
Date Of NFA Letter From DNR: 1996-06-12 00:00:00				
IMPERIAL SUPER GAS I	***811 S 6TH ST***	***SSW 1/4 - 1/2 (0.278 mi.)***	***F57***	***167***
Facility Id: ST0019161				
CRISWELL PETROLEUM P	***916 S 9TH***	***SSE 1/4 - 1/2 (0.345 mi.)***	***70***	***195***
Facility Id: ST0005490				
GRAY AUTOMOTIVE PROD	***510 SENNECA***	***SSW 1/4 - 1/2 (0.496 mi.)***	***82***	***248***
Facility Id: ST0009179				

State and tribal registered storage tank lists

MO UST: Underground Storage Tank Information.

A review of the MO UST list, as provided by EDR, and dated 12/05/2017 has revealed that there are 9 MO UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBIDOUX	***EDMOND AND 10TH ST***	***NE 1/8 - 1/4 (0.191 mi.)***	***34***	***100***
Facility Id: ST5830202				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CENTRAL FIRE STATION	***401 S 7TH ST***	***WNW 0 - 1/8 (0.019 mi.)***	***A4***	***17***
Facility Id: ST0009327				
Tank Status: Removed				
SUNSHINE ELECTRIC	501 SYLVANIE ST	WNW 1/8 - 1/4 (0.133 mi.)	B13	28
Facility Id: ST0021208				
Tank Status: Removed				
BROWN TRANSFER & STO	MESSANIE ST BETWEEN	W 1/8 - 1/4 (0.157 mi.)	C17	36
Facility Id: ST0002419				
Tank Status: Permanently Closed in place				
HILAND DAIRY DIVISIO	***221 S 5TH ST***	***WNW 1/8 - 1/4 (0.162 mi.)***	***B19***	***43***
Facility Id: ST0009341				
Tank Status: Removed				
CENTRAL TRUCK SERVIC	5TH AND MESSANIE	WSW 1/8 - 1/4 (0.164 mi.)	22	62
Facility Id: ST0002418				
Tank Status: Permanently Closed in place				
Tank Status: Removed				
STEPHEN ROSENAUER	524 S 5TH	WSW 1/8 - 1/4 (0.171 mi.)	C28	83
Facility Id: ST0002423				

Tank Status: Permanently Closed in place

FORMER ST. JOSEPH PO Facility Id: ST0005469 Tank Status: Removed	710 S 9TH ST	SSE 1/8 - 1/4 (0.179 mi.)	31	97
ARENA Facility Id: ST0011111 Tank Status: Removed	4TH AND CHARLES ST	WNW 1/8 - 1/4 (0.229 mi.)	47	148

State and tribal institutional control / engineering control registries

MO AUL: Sites that have institutional controls.

A review of the MO AUL list, as provided by EDR, and dated 11/30/2017 has revealed that there are 3 MO AUL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUNSHINE ELECTRONIC	***501 SYLVANIE STREET***	***WNW 1/8 - 1/4 (0.133 mi.)***	***B12***	***27***
ADVANTAGE METALS REC	***750 SOUTH 4TH STREET***	***SW 1/4 - 1/2 (0.309 mi.)***	***K61***	***184***
ARTESIAN ICE & COLD	***202-204 MAIN STREET***	***WNW 1/4 - 1/2 (0.492 mi.)***	***81***	***247***

State and tribal voluntary cleanup sites

MO VCP: Voluntary Cleanup Program Site Listing.

A review of the MO VCP list, as provided by EDR, and dated 11/30/2017 has revealed that there are 8 MO VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BIX SERVICE (FORMER) Facility Status: Cert. of Completion Issued	***521 S. 6TH ST.***	***WSW 0 - 1/8 (0.086 mi.)***	***9***	***24***
SUNSHINE ELECTRONIC Facility Status: Cert. of Completion Issued/AULs	***501 SYLVANIE STREET***	***WNW 1/8 - 1/4 (0.133 mi.)***	***B12***	***27***
BROWN TRANSFER AND S Facility Status: Inactive/Terminated by VCP Facility Status: Cert. of Completion Issued	***402 S. 5TH STREET***	***W 1/8 - 1/4 (0.166 mi.)***	***C23***	***69***
HEARTLAND/LIGHT AND Facility Status: Cert. of Completion Issued	***502 ANGELIQUE***	***W 1/8 - 1/4 (0.205 mi.)***	***C39***	***112***
ADVANTAGE METALS REC Facility Status: Active/Investigation	***750 SOUTH 4TH STREET***	***SW 1/4 - 1/2 (0.309 mi.)***	***K61***	***184***
DOWNTOWN FURNITURE E Facility Status: Cert. of Completion Issued	***302 S. 3RD STREET***	***WNW 1/4 - 1/2 (0.310 mi.)***	***I62***	***185***
SOUTHERN STAR CENTRA Facility Status: Cert. of Completion Issued	***151 S 2ND ST***	***WNW 1/4 - 1/2 (0.383 mi.)***	***74***	***223***
ARTESIAN ICE & COLD Facility Status: Cert. of Completion Issued/AULs	***202-204 MAIN STREET***	***WNW 1/4 - 1/2 (0.492 mi.)***	***81***	***247***

EXECUTIVE SUMMARY

State and tribal Brownfields sites

MO BROWNFIELDS: Brownfields Site List

A review of the MO BROWNFIELDS list, as provided by EDR, and dated 11/30/2017 has revealed that there are 3 MO BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BIX SERVICE (FORMER)	***521 S. 6TH ST.***	***WSW 0 - 1/8 (0.086 mi.)***	***9***	***24***
BROWN TRANSFER AND S	***402 S. 5TH STREET***	***W 1/8 - 1/4 (0.166 mi.)***	***C23***	***69***
HEARTLAND/LIGHT AND	***502 ANGELIQUE***	***W 1/8 - 1/4 (0.205 mi.)***	***C39***	***112***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 08/21/2017 has revealed that there are 12 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH-BNSF	6TH AND 8TH MONTGOME	ENE 1/4 - 1/2 (0.412 mi.)	77	231

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBERTS DAIRY 2	302 SOUTH 5TH STREET	WNW 1/8 - 1/4 (0.162 mi.)	B18	38
ROBERTS DAIRY 1	218 SOUTH 5TH STREET	WNW 1/8 - 1/4 (0.162 mi.)	B20	52
WICKERSHAM PROPERTY	324 SOUTH 5TH STREET	WNW 1/8 - 1/4 (0.164 mi.)	B21	57
CHASE CANDY	402 SOUTH 5TH STREET	W 1/8 - 1/4 (0.166 mi.)	C24	70
MID CITY PARTNERSHIP	421 SYLVANIE STREET	W 1/8 - 1/4 (0.177 mi.)	B30	92
ALLEY - CITY EASEMEN	WEST OF 402 S 5TH ST	W 1/8 - 1/4 (0.198 mi.)	D35	102
ROBERT LOWELL	428 EDMOND STREET	NW 1/8 - 1/4 (0.200 mi.)	36	107
HEATLAND FOUNDATION	***502 ANGELIQUE STREET***	***W 1/8 - 1/4 (0.205 mi.)***	***C40***	***113***
WECKERLE'S GROCERY	318-324 SOUTH FOURTH	W 1/8 - 1/4 (0.234 mi.)	D50	159
MCCORMICK BARRON BUI	310 SOUTH 3RD STREET	W 1/4 - 1/2 (0.302 mi.)	I60	177
UNION PACIFIC RAILRO	SOUTHEAST CORNER OF	SW 1/4 - 1/2 (0.320 mi.)	K67	187

Local Lists of Landfill / Solid Waste Disposal Sites

MO SWRCY: A listing of recycling center locations.

A review of the MO SWRCY list, as provided by EDR, and dated 11/26/2017 has revealed that there is 1 MO SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
H & M LAWN SERVICE	616 SOUTH 15TH STREE	ESE 1/4 - 1/2 (0.453 mi.)	79	243

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 09/13/2017 has revealed that there are 18 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HPI PRODUCTS INC	***424 S 8TH ST***	***0 - 1/8 (0.000 mi.)***	***A3***	***9***
FEDERAL EXPRESS CORP	317 S 9TH ST	ENE 0 - 1/8 (0.091 mi.)	10	25
NEWS PRESS & GAZETTE	825 EDMOND ST	NNE 1/8 - 1/4 (0.140 mi.)	15	32
CREVISTON & SON JEWE	114 N 7TH	NNW 1/8 - 1/4 (0.186 mi.)	32	99
FAMILY GUIDANCE CENT	422 FELIX ST 200 CO	NW 1/8 - 1/4 (0.233 mi.)	49	158

Lower Elevation	Address	Direction / Distance	Map ID	Page
ST JOSEPH CENTRAL FI	401 S 7TH ST	WNW 0 - 1/8 (0.019 mi.)	A5	21
SUNSHINE ELECTRONIC	501 SYLVANIE	WNW 1/8 - 1/4 (0.133 mi.)	B11	26
NEW BONUS AUTO THE	613 LOCUST ST	SSW 1/8 - 1/4 (0.144 mi.)	16	34
CHASE CANDY COMPANY	***402 S 5TH ST***	***W 1/8 - 1/4 (0.166 mi.)***	***C25***	***77***
CENTRAL TRUCK SERVIC	524 S 5TH	WSW 1/8 - 1/4 (0.171 mi.)	C27	82
ST JOSEPH TRANSIT CI	702 S 5TH ST	SW 1/8 - 1/4 (0.201 mi.)	37	110
HEARTLAND REG MED CT	520 ANGELIQUE	W 1/8 - 1/4 (0.202 mi.)	C38	111
HPI PRODUCTS INC	***417 S 4TH ST***	***W 1/8 - 1/4 (0.208 mi.)***	***D41***	***133***
ARNOLDS ANTIQUES	644 S 6 ST	SSW 1/8 - 1/4 (0.211 mi.)	E43	142
RICHMOND SCREW ANCHO	315 S 4TH ST	WNW 1/8 - 1/4 (0.213 mi.)	D44	144
INDEPENDENT ELECTRIC	611 PATEE ST	SSW 1/8 - 1/4 (0.228 mi.)	E46	147
HERZOG RED E MIX	613 PATEE	SSW 1/8 - 1/4 (0.231 mi.)	F48	157
AUTOMOTIVE BEARINGS	801 S 8TH ST	S 1/8 - 1/4 (0.245 mi.)	53	164

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 09/30/2017 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FARMLAND INDUSTRIES	***4TH ST & SENECA ST***	***SSW 1/2 - 1 (0.515 mi.)***	***83***	***250***

MO SMARS: SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

A review of the MO SMARS list, as provided by EDR, and dated 10/18/2017 has revealed that there are 17 MO SMARS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WARDS BUILDING	518 FELIX ST.	NNW 1/8 - 1/4 (0.191 mi.)	33	100
LIVESTOCK EXCHANGE B	224 NORTH 7TH STREET	NNW 1/4 - 1/2 (0.276 mi.)	54	165

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST. JOSEPH CONVENTIO	911 FREDERICK AVE.	NNE 1/4 - 1/2 (0.276 mi.)	H55	165
FALKNER PLUMBING	901 JULES ST	NNE 1/4 - 1/2 (0.313 mi.)	H63	186

Lower Elevation	Address	Direction / Distance	Map ID	Page
ST. JOSEPH FIRE TRUC	415 S. 7TH ST.	W 0 - 1/8 (0.019 mi.)	A6	22
BIX SERVICE (FORMER)	***521 S. 6TH ST.***	***WSW 0 - 1/8 (0.086 mi.)***	***9***	***24***
SUNSHINE ELECTRONIC	***501 SYLVANIE STREET***	***WNW 1/8 - 1/4 (0.133 mi.)***	***B12***	***27***
BROWN TRANSFER AND S	***402 S. 5TH STREET***	***W 1/8 - 1/4 (0.166 mi.)***	***C23***	***69***
HEARTLAND/LIGHT AND	***502 ANGELIQUE***	***W 1/8 - 1/4 (0.205 mi.)***	***C39***	***112***
ST. JOSEPH FMGP #3	802 S. 5TH ST. (SOUT	SSW 1/4 - 1/2 (0.278 mi.)	J58	176
ADVANTAGE METALS REC	***750 SOUTH 4TH STREET***	***SW 1/4 - 1/2 (0.309 mi.)***	***K61***	***184***
DOWNTOWN FURNITURE E	***302 S. 3RD STREET***	***WNW 1/4 - 1/2 (0.310 mi.)***	***I62***	***185***
ST. JOSEPH FMGP #4	802 S. 5TH ST.	SSW 1/4 - 1/2 (0.316 mi.)	J65	187
BROONER & ASSOCIATES	802 S. 5TH STREET	SSW 1/4 - 1/2 (0.316 mi.)	J66	187
SOUTHERN STAR CENTRA	***151 S 2ND ST***	***WNW 1/4 - 1/2 (0.383 mi.)***	***74***	***223***
FARMLAND INDUSTRIES	***FOURTH & SENECA STRE***	***SSW 1/4 - 1/2 (0.463 mi.)***	***80***	***243***
ARTESIAN ICE & COLD	***202-204 MAIN STREET***	***WNW 1/4 - 1/2 (0.492 mi.)***	***81***	***247***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ST. JOSEPH FMGP #4	SW CORNER OF PATEE S	SSW 1/4 - 1/2 (0.281 mi.)	J59	176
ST. JOSEPH FMGP #3	802 S. 5TH ST. (SOU	SSW 1/4 - 1/2 (0.316 mi.)	J64	186

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto

site within approximately 0.125 miles of the target property.

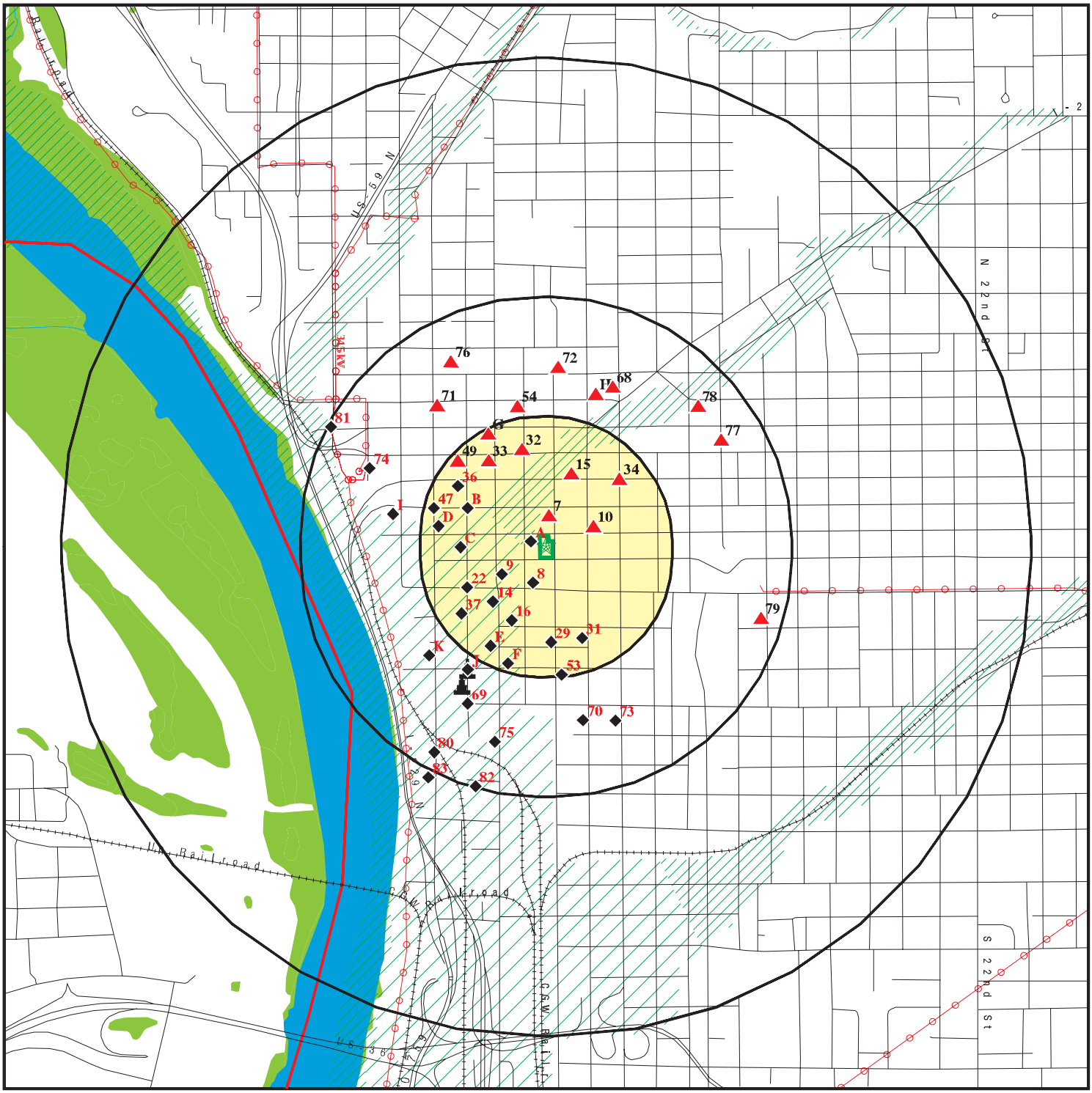
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GIRNER OLDSMOBILE IN	302 S 8TH	N 0 - 1/8 (0.044 mi.)	7	23

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
ST JOSEPH #2 FMGP	SEMS-ARCHIVE
ST. JOSEPH FMGP #2	EDR MGP

OVERVIEW MAP - 5176168.2S



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: Mead-Hansen Building	CLIENT: Tetra Tech EMI
ADDRESS: 408 S 8TH ST SAINT JOSEPH MO 64501	CONTACT: John Simpson
LAT/LONG: 39.763769 / 94.851045	INQUIRY #: 5176168.2s DATE: February 02, 2018 1:01 pm

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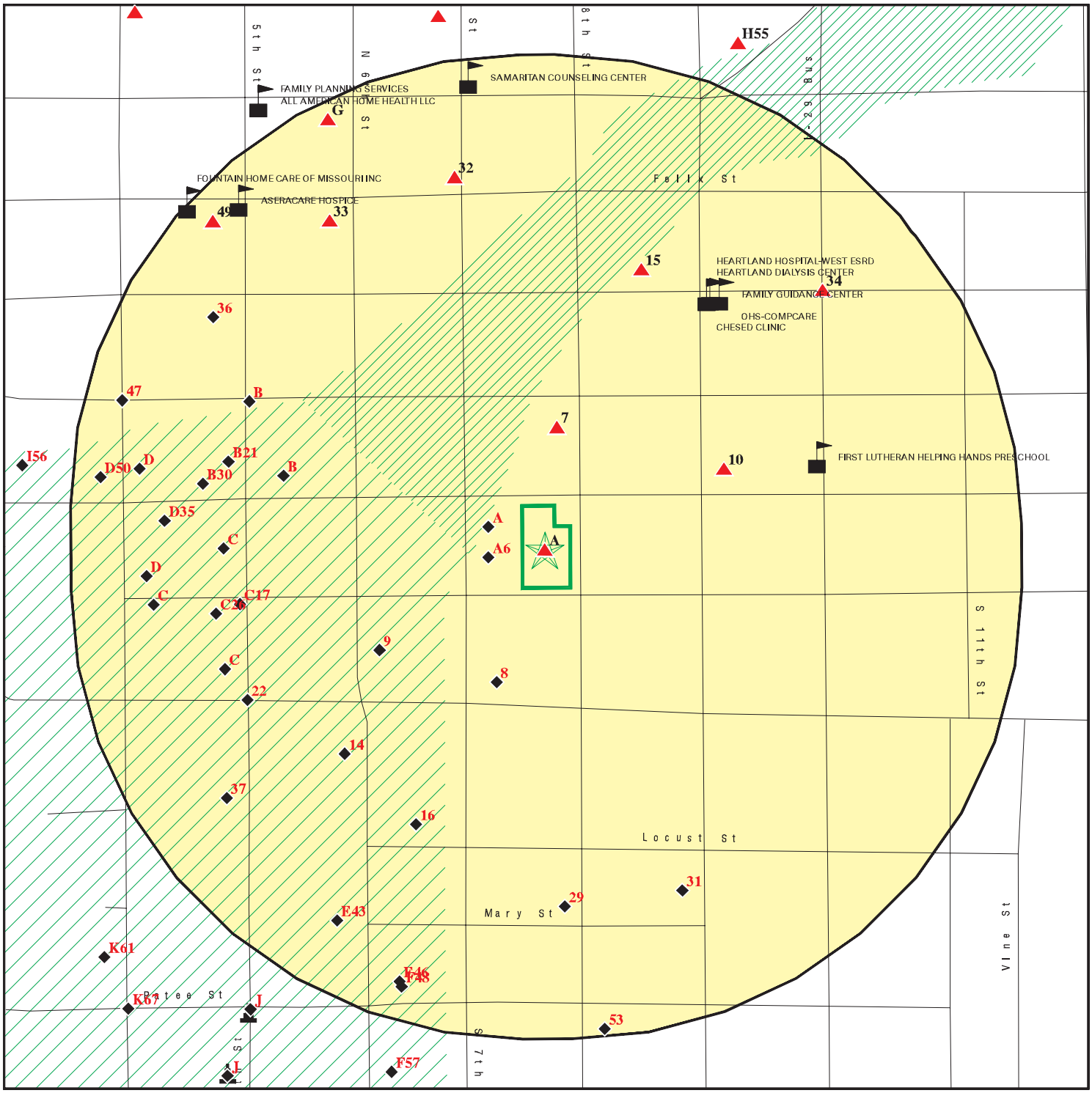
DETAIL MAP - 5176168.2S



0 1/16 1/8 1/4 Miles

- 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
- 100-year flood zone
- 500-year flood zone

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: Mead-Hansen Building	CLIENT: Tetra Tech EMI
ADDRESS: 408 S 8TH ST SAINT JOSEPH MO 64501	CONTACT: John Simpson
LAT/LONG: 39.763769 / 94.851045	INQUIRY #: 5176168.2s DATE: February 02, 2018 1:01 pm

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	1	1	NR	NR	3
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		1	2	3	NR	NR	6
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
MO SHWS	1.000		0	0	1	0	NR	1
KS SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
MO SWF/LF	0.500		0	0	0	NR	NR	0
KS SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
MO LAST	0.500		0	0	0	NR	NR	0
MO LUST	0.500		1	2	8	NR	NR	11

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
KS LUST	0.500		0	0	0	NR	NR	0
KS LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
MO UST	0.250		1	8	NR	NR	NR	9
KS UST	0.250		0	0	NR	NR	NR	0
MO AST	0.250		0	0	NR	NR	NR	0
KS 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								
MO AUL	0.500		0	1	2	NR	NR	3
State and tribal voluntary cleanup sites								
MO VCP	0.500		1	3	4	NR	NR	8
KS VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MO BROWNFIELDS	0.500		1	2	0	NR	NR	3
KS BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	9	3	NR	NR	12
Local Lists of Landfill / Solid Waste Disposal Sites								
MO HIST LF	0.500		0	0	0	NR	NR	0
MO SWRCY	0.500		0	0	1	NR	NR	1
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
IHS OPEN DUMPS	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
MO CDL	TP		NR	NR	NR	NR	NR	0
KS CDL	TP		NR	NR	NR	NR	NR	0
MO DEL SHWS	1.000		0	0	0	0	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

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
MO SPILLS	TP		NR	NR	NR	NR	NR	0
KS SPILLS	TP		NR	NR	NR	NR	NR	0
MO SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	15	NR	NR	NR	18
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	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	1	NR	1
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
ABANDONED 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
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MO AIRS	TP		NR	NR	NR	NR	NR	0
KS AIRS	TP		NR	NR	NR	NR	NR	0
MO COAL ASH	0.500		0	0	0	NR	NR	0
KS COAL ASH	0.500		0	0	0	NR	NR	0
MO DRYCLEANERS	0.250		0	0	NR	NR	NR	0
KS DRYCLEANERS	0.250		0	0	NR	NR	NR	0
KS Financial Assurance	TP		NR	NR	NR	NR	NR	0
MO Financial Assurance	TP		NR	NR	NR	NR	NR	0
MO MINES	0.250		0	0	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
MO NPDES	TP		NR	NR	NR	NR	NR	0
MO RRC	TP		NR	NR	NR	NR	NR	0
MO SMARS	0.500	1	2	4	11	NR	NR	18
MO UIC	TP		NR	NR	NR	NR	NR	0
KS UIC	TP		NR	NR	NR	NR	NR	0
KS NPDES	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	2	0	NR	2
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								
MO RGA HWS	TP		NR	NR	NR	NR	NR	0
KS RGA HWS	TP		NR	NR	NR	NR	NR	0
MO RGA LF	TP		NR	NR	NR	NR	NR	0
KS RGA LF	TP		NR	NR	NR	NR	NR	0
MO RGA LUST	TP		NR	NR	NR	NR	NR	0
KS RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		1	12	51	36	1	0	101

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property
Actual:
854 ft.

MEAD HANSEN BUILDING
408 S 8TH
ST. JOSEPH, MO 64501

MO SMARS **S118853692**
N/A

Site 1 of 6 in cluster A

SMARS:

SM Number:	12703
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

A2
< 1/8
1 ft.

HPI SOUTH EIGHTH STREET
424 SOUTH 8TH STREET
ST JOSEPH, MO 64501

SEMS **1010417200**
MON000705793

Site 2 of 6 in cluster A

Relative:
Higher

Actual:
856 ft.

SEMS:

Site ID:	705793
EPA ID:	MON000705793
Cong District:	6
FIPS Code:	29021
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region:	7
Site ID:	705793
EPA ID:	MON000705793
Site Name:	HPI SOUTH EIGHTH STREET
NPL:	N
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2009-11-03 00:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf

Region:	7
Site ID:	705793
EPA ID:	MON000705793
Site Name:	HPI SOUTH EIGHTH STREET
NPL:	N
FF:	N

HPI SOUTH EIGHTH STREET (Continued) **1010417200**

OU:	0
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	2007-03-11 00:00:00
Finish Date:	3/27/2007
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	7
Site ID:	705793
EPA ID:	MON000705793
Site Name:	HPI SOUTH EIGHTH STREET
NPL:	N
FF:	N
OU:	0
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	2007-03-26 00:00:00
Finish Date:	Not reported
Qual:	S
Current Action Lead:	EPA Ovrsght

A3 **HPI PRODUCTS INC** **RCRA NonGen / NLR** **1010322891**
424 S 8TH ST **EPA WATCH LIST** **MOR000526053**
< 1/8 **ST JOSEPH, MO 64501**
1 ft.

Site 3 of 6 in cluster A

Relative:
Higher

Actual:
856 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/31/2009
Facility name:	HPI PRODUCTS INC
Facility address:	424 S 8TH ST ST JOSEPH, MO 64501
EPA ID:	MOR000526053
Mailing address:	P O BOX 997 ST JOSEPH, MO 64502
Contact:	SID L HOOVER
Contact address:	P O BOX 997 ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-233-1237
Telephone ext.:	1314
Contact email:	SHOOVER@HPIPI.COM
EPA Region:	07
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HPI PRODUCTS INC
Owner/operator address:	P O BOX 997 ST JOSEPH, MO 64502
Owner/operator country:	US
Owner/operator telephone:	Not reported

HPI PRODUCTS INC (Continued) **1010322891**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/15/1996
Owner/Op end date: Not reported

Owner/operator name: ST JOSEPH PROPORTIES
Owner/operator address: P O BOX 997
ST JOSEPH, MO 64502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/15/1996
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 02/22/2008
Site name: HPI PRODUCTS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D013

HPI PRODUCTS INC (Continued) **1010322891**

. Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

. Waste code: D014
. Waste name: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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: U240
. Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Date form received by agency: 04/16/2007
Site name: HPI PRODUCTS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

HPI PRODUCTS INC (Continued) **1010322891**

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D013
. Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

. Waste code: D014
. Waste name: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P039
. Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER

HPI PRODUCTS INC (Continued) **1010322891**

. Waste code: P044
. Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

. Waste code: P089
. Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER

. Waste code: U001
. Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U055
. Waste name: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U092
. Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U145
. Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

HPI PRODUCTS INC (Continued) **1010322891**

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U176
. Waste name: N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-

. Waste code: U177
. Waste name: N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-

. Waste code: U183
. Waste name: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

. Waste code: U240
. Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

. Waste code: U244
. Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM

. Waste code: U249
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

. Waste code: U359
. Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Date form received by agency: 04/02/2007
Site name: HPI PRODUCTS INC
Classification: Not a generator, verified

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 03/30/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported

HPI PRODUCTS INC (Continued) **1010322891**

Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 01/12/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/03/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: REFERRAL TO DEPARTMENT OF JUSTICE
Enforcement action date: 09/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/23/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/09/2012
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported

HPI PRODUCTS INC (Continued) **1010322891**

Evaluation lead agency: EPA

Evaluation date: 03/21/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/20/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/13/2007
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

EPA WATCH LIST:
Facility ID: MOR000526053
Program: RCRA Facilities
List date: November 2012 Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: December 2012 Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: June 2013 RCRA Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: April 2013 RCRA Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: May 2013 RCRA Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: March 2013 RCRA Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: August 2013 Watch List

Facility ID: MOR000526053
Program: RCRA Facilities
List date: July 2013 Watch List

A4
WNW
< 1/8
0.019 mi.
99 ft.

CENTRAL FIRE STATION
401 S 7TH ST
ST JOSEPH, MO 64501

Site 4 of 6 in cluster A

MO LUST **U003164663**
MO UST **N/A**

Relative:
Lower

Actual:
850 ft.

LUST:

Facility ID:	ST0009327
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	11/18/1998
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	11/18/1998
Date Cleanup Finished:	03/07/2004
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**2004-07-22 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R006412
Rank:	14
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	301
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	05/25/1999
Date Record Edited:	07/23/2004
Person Adding Or Editing Record:	REPPER, S
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/25/99 Cont. found during tank closure. 11/4/99 kk response letter. Item 1 ok but asked for doc for haz waste disposal and for SC (3rd time). 12/30/99 kk letter rev asking for extension due to new contractor and bid procedure. aproved. 1/26/99 phone call from contractor indicating that info I asked for was in previous correspondance, if so that item is ok, still need SC plan. City is working on that. 4/11/00 kk rev letter asking for extension of time to submit SC plan. Approved 01/29/01 kk rev SC report (1/16/01). Soil cont limited to tank pit, cannot be excavated due to structural integrity of building. Gw cont in MW-2,3,5. Req quarterly gw mont. Events. 07/27/01 kk rev work plan dated June 21, 2001. Approved gw monitoring for one year. 4/5/02 kk rev file. Req update on gw mont activities. 3/11/03 BAS - Sent request update letter. 6/4/03 BAS - received update letter dated April 2, 2003 stating that a notice to proceed and contract has been sent to Stevens and Associates to proceed with GWM. 1/2/04 MLM - Revew 1st qrtly gw monitoring report dated May 2, 2003. Nothing detected. Consultant recommends 3 additional quarters of monitirong to verify. Responed

CENTRAL FIRE STATION (Continued) **U003164663**

with approval and recommend MRBCA, request MRBCA proposal. 1/15/04 MLM - Revew 2nd qtrly gw mon report. Concentrations are below cleanup standards. They recommend additional 2 qtrs monitoring - approved 2/4/04 MLM - Rev Nov 26, 2003 3rd qtrly gw mon report. Concentrations are below cleanup standards. They recommend a 4 th sample round to confirm results - approved. 21/17/04 MLM - call from consultant, will not be able to sample until March due to weather, they will send a letter. 7/13/04 RPS - Reviewed March groundwater monitoring report. Drafted NFA letter. 07/22/04 RPS - NFA letter went out.

UST:

Facility ID:	ST0009327
Region:	KC
Easting:	341404.219
Northing:	4403197.91
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/27/2013
Lat/Long:	39.7641012 / -94.851904
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW06613
Owner Name:	CITY OF ST JOSEPH
Owner Address:	1100 FREDERICK AVENUE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2714670
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-05-24 00:00:00
Name of Person Editing Record:	NREQHW-WILDB

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1955
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1985
Date Tank Permanently Closed/ Removed:	10/19/1998

CENTRAL FIRE STATION (Continued) **U003164663**

Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	05/25/1999
Person Adding/Editing Record:	NREQHW-WILDB
Date Of NFA Letter:	10/19/1998
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/06/1998
Date Of Aprroval Letter:	1998-10-19 00:00:00
Firm Closing Tank:	PW STEPHENS
Date Closure Report Received:	1999-04-23 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23047
Tank PK:	23047
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	850
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1985-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	0
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06613
Owner Name:	CITY OF ST JOSEPH
Owner Address:	1100 FREDERICK AVENUE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2714670
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-05-24 00:00:00
Name of Person Editing Record:	NREQHW-WILDB

CENTRAL FIRE STATION (Continued) **U003164663**

Tank ID:	2	
Tank Double Wall:	0	
Tank Type:	Below Ground	
Tank Status:	**Removed**	
Meet 98 Update Requirements:	Not reported	
Date Tank Installed:	Not reported	
Tank Material:	Steel	
Code for Tank Material Manufacturer:	Not reported	
Code for Tank Installer:	Not reported	
Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	01/01/1985	
Date Tank Permanently Closed/ Removed:	10/19/1998	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	05/25/1999	
Date Record Edited:	Not reported	
Person Adding/Editing Record:	NREQHW-WILDB	
Date Of NFA Letter:	10/19/1998	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	10/06/1998	
Date Of Aprroval Letter:	1998-10-19 00:00:00	
Firm Closing Tank:	PW STEPHENS	
Date Closure Report Received:	1999-04-23 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	Not reported	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23048
Tank PK:	23048
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	300
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1985-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	0
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

CENTRAL FIRE STATION (Continued) **U003164663**

Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0009327
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0009327
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

A5 **ST JOSEPH CENTRAL FIRE STA CITY OF** **RCRA NonGen / NLR** **1007108232**
WNW **401 S 7TH ST** **MOP000029231**
< 1/8 **ST JOSEPH, MO 64501**
0.019 mi.
99 ft. **Site 5 of 6 in cluster A**

Relative:
Lower

Actual:
850 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/29/1999
Facility name: ST JOSEPH CENTRAL FIRE STA CITY OF
Facility address: 401 S 7TH ST
ST JOSEPH, MO 64501
EPA ID: MOP000029231
Mailing address: FREDERICK
ST JOSEPH, MO 64501
Contact: DAVID FRAZIER
Contact address: 1100 FREDERICK

ST JOSEPH CENTRAL FIRE STA CITY OF (Continued) **1007108232**

ST JOSEPH, MO 64501
Contact country: US
Contact telephone: 816-271-5320
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CITY OF ST JOSEPH
Owner/operator address: 1100 FREDERICK
ST JOSEPH, MO 64501
Owner/operator country: Not reported
Owner/operator telephone: 816-271-5320
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

A6 **ST. JOSEPH FIRE TRUCK PARKING GARAGE** **MO SMARS** **S118557549**
West **415 S. 7TH ST.** **N/A**
< 1/8 **ST. JOSEPH, MO 64501**
0.019 mi.
100 ft. **Site 6 of 6 in cluster A**

Relative:
Lower

Actual:
848 ft.

SMARS:
SM Number: 12611
CERCLIS: Not reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: No
Federal Facilities Ownership: No
Permits Ownership: No

ST. JOSEPH FIRE TRUCK PARKING GARAGE (Continued) **S118557549**

NPL Date: Not reported
Tank Site Identification #: Not reported
Tank Remediation #: Not reported
Registry: No
Site Code: Not reported
Other Site Code: Not reported

7
North
< 1/8
0.044 mi.
230 ft.

GIRNER OLDSMOBILE INC **EDR Hist Auto** **1020416756**
302 S 8TH **N/A**
ST JOSEPH, MO 64501

Relative:
Higher

Actual:
861 ft.

EDR Hist Auto

Year:	Name:	Type:
1977	GIRNER OLDSMOBILE INC	Gasoline Service Stations

8
SSW
< 1/8
0.054 mi.
286 ft.

MERCURY-MILITARY MUSEUM **SEMS-ARCHIVE** **1018149457**
701 MESSANIE STREET **MON000703122**
ST JOSEPH, MO 64501

Relative:
Lower

Actual:
839 ft.

SEMS Archive:
Site ID: 703122
EPA ID: MON000703122
Cong District: Not reported
FIPS Code: 29021
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:
Region: 7
Site ID: 703122
EPA ID: MON000703122
Site Name: MERCURY-MILITARY MUSEUM
NPL: N
FF: N
OU: 0
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 2014-10-20 00:00:00
Finish Date: 2014-10-22 00:00:00
Qual: C
Current Action Lead: EPA Perf

Region: 7
Site ID: 703122
EPA ID: MON000703122
Site Name: MERCURY-MILITARY MUSEUM
NPL: N
FF: N
OU: 0
Action Code: RS

MERCURY-MILITARY MUSEUM (Continued) **1018149457**

Action Name:	RV ASSESS
SEQ:	1
Start Date:	2014-10-20 00:00:00
Finish Date:	2014-10-22 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

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9 **BIX SERVICE (FORMER)** **MO VCP** **S110713212**
WSW **521 S. 6TH ST.** **MO BROWNFIELDS** **N/A**
< 1/8 **ST. JOSEPH, MO 64501** **MO SMARS**
0.086 mi.
456 ft.

Relative:
Lower

Actual:
836 ft.

VCP:

Northing:	4403079.53
Easting:	341311.006
Facility Status:	Cert. of Completion Issued
Activity Use:	Not reported
Manager:	Brandi Higgins
Cert. of completion issued:	4/5/2011
Application Received:	1/7/2009
State Funded:	Yes
Federal Funded:	Not reported
Acreage:	.05
Operable Unit:	Bix Service (former)
Site Description:	This site has been developed as a mixture of commercial and residential since approximately 1883. Past businesses include a radiator repair shop, battery service shop, paint and auto body repair, and furniture stripping and refinishing. Currently the site is mostly abandoned. Adjacent properties include Cookman Instant Printing and Western Chemical Company. The property owner intended on developing the site as a parking lot.
Contaminant:	Not reported

MO BROWNFIELD:

Northing:	4403079.53
Easting:	341311.006
Operable Unit:	Bix Service (former)
State Funded:	Yes
Federal Funded:	Not reported

SMARS:

SM Number:	11971
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

10
ENE
< 1/8
0.091 mi.
480 ft.

FEDERAL EXPRESS CORP
317 S 9TH ST
ST JOSEPH, MO 64501

RCRA NonGen / NLR

1000453538
MOD985773746

Relative:
Higher

Actual:
894 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/12/1994
Facility name:	FEDERAL EXPRESS CORP
Facility address:	317 S 9TH ST ST JOSEPH, MO 64501
EPA ID:	MOD985773746
Mailing address:	S 9TH ST ST JOSEPH, MO 64501
Contact:	DAVE RUSH
Contact address:	317 S 9TH ST ST JOSEPH, MO 64501
Contact country:	US
Contact telephone:	816-232-2328
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	C S & E INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

FEDERAL EXPRESS CORP (Continued) **1000453538**

Violation Status: No violations found

B11
WNW
1/8-1/4
0.133 mi.
703 ft.

SUNSHINE ELECTRONIC DISPLAY **RCRA NonGen / NLR** **1007109653**
501 SYLVANIE **MOP000045351**
ST JOSEPH, MO 64502

Site 1 of 8 in cluster B

Relative:
Lower

Actual:
840 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/26/2001
Facility name:	SUNSHINE ELECTRONIC DISPLAY
Facility address:	501 SYLVANIE ST JOSEPH, MO 64502
EPA ID:	MOP000045351
Mailing address:	PO BOX 727 ST JOSEPH, MO 64502
Contact:	GREG PIERCE
Contact address:	PO BOX 727 ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-232-4224
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SUNSHINE ELECTRONIC DISPLAY
Owner/operator address:	PO BOX 727 ST JOSEPH, MO 64502
Owner/operator country:	Not reported
Owner/operator telephone:	816-232-4224
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

SUNSHINE ELECTRONIC DISPLAY (Continued) **1007109653**

Historical Generators:
Date form received by agency: 11/07/2001
Site name: SUNSHINE ELECTRONIC DISPLAY
Classification: Small Quantity Generator

Violation Status: No violations found

B12 **SUNSHINE ELECTRONIC DISPLAY CORPORATION** **MO AUL** **S109121154**
WNW **501 SYLVANIE STREET** **MO VCP** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501** **MO AIRS**
0.133 mi. **MO SMARS**
703 ft. **Site 2 of 8 in cluster B**

Relative:
Lower

Actual:
840 ft.

AUL:
Northing: 4403277.008
Easting: 341266.2
Activity Use: Restrictive Covenant
Operable Unit: Sunshine Electronic Display Corporation

VCP:
Northing: 4403277.008
Easting: 341266.2
Facility Status: Cert. of Completion Issued/AULs
Activity Use: Restrictive Covenant
Manager: Mike Washburn
Cert. of completion issued: 7/18/2012
Application Received: 8/17/2011
State Funded: Not reported
Federal Funded: Not reported
Acreage: 1.43
Operable Unit: Sunshine Electronic Display Corporation
Site Description: This 1.43 acre site has seen several uses between 1883 and 1979, including a hotel, photography companies, photographic chemicals company, auto repair garages, paint shops and a printing facility. Currently the site serves as an electronic sign production facility, with a 24,000 square foot manufacturing building, a building under construction, and a parking lot/staging area.
Contaminant: Metals

AIRS:
Facility Id: AP0199806117
Start Review Date: 06/24/1998
Completion Date: 08/20/1999
Permit No: Not reported
StepName: AP: Sales Tax Completed
PermName: AP: Sales Tax Exemption Requests
Program Reference Id: EX199806117
SA Description: Not reported
Locatorx: 501 Sylvanie St
Received Submittal Date: 06/24/1998
Permit Expires Date: Not reported
Days From Start: 6200
Days From Completion: 422
Number of Days: 6200
Perm Code: AP365
Cont Name: Begg, Ethan W.
Consulting Firm: GORDON B IDE

SUNSHINE ELECTRONIC DISPLAY CORPORATION (Continued) **S109121154**

Port Cnty: Not reported
Contact Code: APEWB
FIPS Plant: 9806117
Description: Paint Booth

SMARS:
SM Number: 12337
CERCLIS: Not reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: Yes
Federal Facilities Ownership: No
Permits Ownership: No
NPL Date: Not reported
Tank Site Identification #: Not reported
Tank Remediation #: Not reported
Registry: No
Site Code: Not reported
Other Site Code: Not reported

B13 **SUNSHINE ELECTRIC** **MO UST** **U003974011**
WNW **501 SYLVANIE ST** **N/A**
1/8-1/4 **ST JOSEPH, MO 64501**
0.133 mi.
703 ft. **Site 3 of 8 in cluster B**

Relative:
Lower

Actual:
840 ft.

UST:
Facility ID: ST0021208
Region: KC
Easting: 341215.969
Northing: 4403252.87
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/27/2013
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW20610
Owner Name: GORDEN & THEA IDE
Owner Address: P O BOX 89
Owner City,St,Zip: AMAZONIA, MO 64421
Owner County Code: Not reported
Owner Phone: 2616578
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 2004-01-07 00:00:00
Date Record Edited: 2004-01-07 00:00:00
Name of Person Editing Record: NEVINS, H.

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**

SUNSHINE ELECTRIC (Continued) **U003974011**

Meet 98 Update Requirements:	Not reported	
Date Tank Installed:	Not reported	
Tank Material:	Steel	
Code for Tank Material Manufacturer:	Not reported	
Code for Tank Installer:	Not reported	
Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	Not reported	
Date Tank Permanently Closed/ Removed:	01/15/2004	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	Yes	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	01/07/2004	
Date Record Edited:	08/22/2011	
Person Adding/Editing Record:	VEIT, CHRIS	
Date Of NFA Letter:	10/21/2004	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	01/06/2004	
Date Of Aprroval Letter:	2004-01-07 00:00:00	
Firm Closing Tank:	Underground Environmental Services Inc.	
Date Closure Report Received:	2004-02-17 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	3-11-04--rev. CR; requested QA/QC (from M.D. Chemical and Testing) and amended site sketch to show locations of any underground utilities--MP 10-18-04--rev. response to deficient closure items; response adequately addresses closure deficiencies; drafted NFA--MP	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	38752
Tank PK:	38757
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0

SUNSHINE ELECTRIC (Continued) **U003974011**

Spill Protection: False

Tank Aug 2011:
Facility Id: ST0021208
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

14
SW
1/8-1/4
0.135 mi.
711 ft.

SALVATION ARMY **RCRA-CESQG** **1007203085**
618 S 6TH ST **MOP000510578**
ST JOSEPH, MO 64501

Relative:
Lower

Actual:
830 ft.

RCRA-CESQG:
Date form received by agency: 02/13/2004
Facility name: SALVATION ARMY
Facility address: 618 S 6TH ST
ST JOSEPH, MO 64501
EPA ID: MOP000510578
Mailing address: MESSANIE ST
ST JOSEPH, MO 64501
Contact: RONALD LEMIRANO
Contact address: MESSANIE ST
ST JOSEPH, MO 64501
Contact country: US
Contact telephone: 816-279-2101
Contact email: Not reported
EPA Region: 07
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

SALVATION ARMY (Continued) **1007203085**

hazardous waste

Owner/Operator Summary:
Owner/operator name: SALVATION ARMY
Owner/operator address: BROADWAY
KANSAS CITY, MO 64141
Owner/operator country: US
Owner/operator telephone: 816-756-1455
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/13/2004
Owner/Op end date: Not reported

Owner/operator name: SALVATION ARMY
Owner/operator address: BROADWAY
KANSAS CITY, MO 64141
Owner/operator country: US
Owner/operator telephone: 816-756-1455
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/13/2004
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

15
NNE
1/8-1/4
0.140 mi.
737 ft.

NEWS PRESS & GAZETTE CO
825 EDMOND ST
ST JOSEPH, MO 64501

RCRA NonGen / NLR

1000376396
MOD007134190

Relative:
Higher

Actual:
876 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/05/2007
Facility name:	NEWS PRESS & GAZETTE CO
Facility address:	825 EDMOND ST ST JOSEPH, MO 64501
EPA ID:	MOD007134190
Mailing address:	PO BOX 29 ST JOSEPH, MO 64502
Contact:	MICKEY KNEALE
Contact address:	PO BOX 29 ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-279-5671
Contact email:	Not reported
EPA Region:	07
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NEWS-PRESS & GAZETTE CO
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/17/2010
Owner/Op end date:	Not reported

Owner/operator name:	NEWS-PRESS & GAZETTE CO
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/17/2010
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

NEWS PRESS & GAZETTE CO (Continued) **1000376396**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/03/1997
Site name: NEWS PRESS & GAZETTE CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Facility Has Received Notices of Violations:
Regulation violated: SR - A6
Area of violation: Generators - General
Date violation determined: 10/06/2005
Date achieved compliance: 10/06/2005
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: Not reported
Area of violation: Generators - General
Date violation determined: 07/14/1986
Date achieved compliance: 12/30/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/01/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/14/1986
Date achieved compliance: 11/13/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/13/1986
Enf. disposition status: Not reported

NEWS PRESS & GAZETTE CO (Continued) **1000376396**

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

Evaluation Action Summary:
Evaluation date: 10/06/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/06/2005
Evaluation lead agency: State

Evaluation date: 01/15/1987
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/14/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/30/1986
Evaluation lead agency: State

Evaluation date: 07/14/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/13/1986
Evaluation lead agency: State

16
SSW
1/8-1/4
0.144 mi.
759 ft.

NEW BONUS AUTO THE **RCRA NonGen / NLR** **1001118335**
613 LOCUST ST **MOR000008524**
ST JOSEPH, MO 64501

Relative:
Lower

Actual:
830 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/23/1998
Facility name: NEW BONUS AUTO THE
Facility address: 613 LOCUST ST
ST JOSEPH, MO 64501
EPA ID: MOR000008524
Mailing address: LOCUST ST
ST JOSEPH, MO 64501
Contact: TIMOTHY PEERMAN
Contact address: 613 LOCUST ST
ST JOSEPH, MO 64501
Contact country: US
Contact telephone: 816-233-0816
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GERALD RAY
Owner/operator address: 613 LOCUST ST

NEW BONUS AUTO THE (Continued) **1001118335**

ST JOSEPH, MO 64501
Owner/operator country: Not reported
Owner/operator telephone: 816-233-0816
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 08/05/1996
Site name: NEW BONUS AUTO THE
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. 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.

Violation Status: No violations found

C17
West
1/8-1/4
0.157 mi.
828 ft.

BROWN TRANSFER & STORAGE COMPANY
MESSANIE ST BETWEEN 5TH AND 6TH
ST JOSEPH, MO 64502

Site 1 of 10 in cluster C

MO UST **U000284140**
N/A

Relative:
Lower

Actual:
833 ft.

UST:

Facility ID:	ST0002419
Region:	KC
Easting:	341214.109
Northing:	4403022.65
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	CON_Fortin,Joel
Date GIS Data Collected:	03/17/2014
Lat/Long:	39.7625 / -94.853333
Lat/Long (dms):	39 45 45 / 94 51 12

Tanks:

Owner:

Owner ID:	OW04767
Owner Name:	BROWN TRANSFER & STORAGE COMPANY
Owner Address:	5501 CORPORATE DR / PO BOX 7
Owner City,St,Zip:	ST JOSEPH, MO 64502
Owner County Code:	21
Owner Phone:	2790855
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1998-12-30 00:00:00
Name of Person Editing Record:	NREQHW-WILDB

Tank ID:	1	
Tank Double Wall:	0	
Tank Type:	Below Ground	
Tank Status:	**Permanently Closed in place**	
Meet 98 Update Requirements:	Not reported	
Date Tank Installed:	01/01/1970	
Tank Material:	Steel	
Code for Tank Material Manufacturer:	Not reported	
Code for Tank Installer:	Not reported	
Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	Not reported	
Date Tank Permanently Closed/ Removed:	12/01/1988	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	06/30/1995	

BROWN TRANSFER & STORAGE COMPANY (Continued) **U000284140**

Date Record Edited:	12/03/2002
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6056
Tank PK:	6056
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Other
Substance Other:	UNKNOWN
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0002419
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B18
WNW
1/8-1/4
0.162 mi.
854 ft.

ROBERTS DAIRY 2
302 SOUTH 5TH STREET
ST. JOSEPH, MO 64501

Site 4 of 8 in cluster B

US BROWNFIELDS **1014754817**
N/A

Relative:
Lower

Actual:
844 ft.

US BROWNFIELDS:

Property Name:	ROBERTS DAIRY 2
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-056.000
Parcel size:	.69
Latitude:	39.76
Longitude:	-94.85
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117623
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Robert’s Dairy
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

ROBERTS DAIRY 2 (Continued) **1014754817**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.69
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

ROBERTS DAIRY 2 (Continued) **1014754817**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Currently used as a parking lot for trucks owned by Robert's Dairy, has contained residences, a livery stable col yard and filling station until 1965.
Below Poverty Number:	988
Below Poverty Percent:	2.7%
Meidan Income:	1916
Meidan Income Number:	1616
Meidan Income Percent:	1.6%
Vacant Housing Number:	328
Vacant Housing Percent:	8.0%
Unemployed Number:	272
Unemployed Percent:	9.7%

Property Name:	ROBERTS DAIRY 2
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-056.000
Parcel size:	.69
Latitude:	39.76
Longitude:	-94.85
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117623
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA

ROBERTS DAIRY 2 (Continued) **1014754817**

Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/15/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Robert's Dairy
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported

ROBERTS DAIRY 2 (Continued) **1014754817**

Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.69
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Currently used as a parking lot for trucks owned by Robert's Dairy, has contained residences, a livery stable col yard and filling station until 1965.
Below Poverty Number:	988
Below Poverty Percent:	2.7%
Meidan Income:	1916
Meidan Income Number:	1616
Meidan Income Percent:	1.6%
Vacant Housing Number:	328
Vacant Housing Percent:	8.0%
Unemployed Number:	272
Unemployed Percent:	9.7%

B19
WNW
1/8-1/4
0.162 mi.
854 ft.

HILAND DAIRY DIVISION
221 S 5TH ST
ST JOSEPH, MO 64501

Site 5 of 8 in cluster B

MO LUST **U003164676**
MO UST **N/A**

Relative:
Lower

Actual:
844 ft.

LUST:

Facility ID:	ST0009341
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	960104-1021-DLT
Release Date:	01/04/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/08/1996
Date Cleanup Finished:	01/10/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-06-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005620
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	01/04/1996
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	333
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	08/14/1996
Date Record Edited:	11/29/2017
Person Adding Or Editing Record:	BROWN, R
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5-16-96/DB/ Siteclosed

UST:

Facility ID:	ST0009341
Region:	KC
Easting:	341216.81
Northing:	4403335.04
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/27/2013
Lat/Long:	39.7655451 / -94.854428
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW06621
Owner Name:	ROBERTS DAIRY CO
Owner Address:	PO BOX 4866
Owner City,St,Zip:	DES MOINES, IA 50306
Owner County Code:	167
Owner Phone:	2326776

HILAND DAIRY DIVISION (Continued) **U003164676**

Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-03-26 00:00:00
Name of Person Editing Record:	NREQHW-FASTT

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/30/1995
Date Tank Permanently Closed/ Removed:	02/24/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	02/24/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/06/1995
Date Of Aprroval Letter:	1996-02-24 00:00:00
Firm Closing Tank:	PUTNAM PETROLEUM SERVICES
Date Closure Report Received:	1996-01-29 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 2-4,000 GAS, 1-2,000 GAS, 1-1,000 WASTE OIL & 1-560 WASTE OIL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23069
Tank PK:	23069
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported

HILAND DAIRY DIVISION (Continued) **U003164676**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-06-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06621
Owner Name:	ROBERTS DAIRY CO
Owner Address:	PO BOX 4866
Owner City,St,Zip:	DES MOINES, IA 50306
Owner County Code:	167
Owner Phone:	2326776
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-03-26 00:00:00
Name of Person Editing Record:	NREQHW-FASTT

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/30/1995
Date Tank Permanently Closed/ Removed:	02/24/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	02/24/1996

HILAND DAIRY DIVISION (Continued) **U003164676**

Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/06/1995
Date Of Aprroval Letter:	1996-02-24 00:00:00
Firm Closing Tank:	PUTNAM PETROLEUM SERVICES
Date Closure Report Received:	1996-01-29 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 2-4,000 GAS, 1-2,000 GAS, 1-1,000 WASTE OIL & 1-560 WASTE OIL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23070
Tank PK:	23070
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-06-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06621
Owner Name:	ROBERTS DAIRY CO
Owner Address:	PO BOX 4866
Owner City,St,Zip:	DES MOINES, IA 50306
Owner County Code:	167
Owner Phone:	2326776
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-03-26 00:00:00
Name of Person Editing Record:	NREQHW-FASTT

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported

HILAND DAIRY DIVISION (Continued) **U003164676**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/30/1995
Date Tank Permanently Closed/ Removed:	02/24/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	02/24/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/06/1995
Date Of Aprroval Letter:	1996-02-24 00:00:00
Firm Closing Tank:	PUTNAM PETROLEUM SERVICES
Date Closure Report Received:	1996-01-29 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 2-4,000 GAS, 1-2,000 GAS, 1-1,000 WASTE OIL & 1-560 WASTE OIL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23071
Tank PK:	23071
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-06-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06621

HILAND DAIRY DIVISION (Continued) **U003164676**

Owner Name:	ROBERTS DAIRY CO
Owner Address:	PO BOX 4866
Owner City,St,Zip:	DES MOINES, IA 50306
Owner County Code:	167
Owner Phone:	2326776
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-03-26 00:00:00
Name of Person Editing Record:	NREQHW-FASTT

Tank ID:	4
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/30/1995
Date Tank Permanently Closed/ Removed:	02/24/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	02/24/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/06/1995
Date Of Aprroval Letter:	1996-02-24 00:00:00
Firm Closing Tank:	PUTNAM PETROLEUM SERVICES
Date Closure Report Received:	1996-01-29 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 2-4,000 GAS, 1-2,000 GAS, 1-1,000 WASTE OIL & 1-560 WASTE OIL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23072
Tank PK:	23072
Case Number:	Not reported

HILAND DAIRY DIVISION (Continued) **U003164676**

Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	500
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-06-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06621
Owner Name:	ROBERTS DAIRY CO
Owner Address:	PO BOX 4866
Owner City,St,Zip:	DES MOINES, IA 50306
Owner County Code:	167
Owner Phone:	2326776
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-03-26 00:00:00
Name of Person Editing Record:	NREQHW-FASTT

Tank ID:	5
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Not reported
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/30/1995
Date Tank Permanently Closed/ Removed:	02/24/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported

HILAND DAIRY DIVISION (Continued) **U003164676**

Date Administratively Closed:	Not reported
Date Record Added:	04/25/1997
Date Record Edited:	Not reported
Person Adding/Editing Record:	N$TAYLK
Date Of NFA Letter:	02/24/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/06/1995
Date Of Aprroval Letter:	1996-02-24 00:00:00
Firm Closing Tank:	PUTNAM PETROLEUM SERVICES
Date Closure Report Received:	1996-01-29 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 2-4,000 GAS, 1-2,000 GAS, 1-1,000 WASTE OIL & 1-560 WASTE OIL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	23073
Tank PK:	23073
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Used Oil
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-06-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	4
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0009341
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

HILAND DAIRY DIVISION (Continued) **U003164676**

Facility Id:	ST0009341
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009341
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009341
Tank Id:	4
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009341
Tank Id:	5
Site Usage:	Not reported

HILAND DAIRY DIVISION (Continued) **U003164676**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B20 **ROBERTS DAIRY 1** **US BROWNFIELDS** **1014758036**
WNW **218 SOUTH 5TH STREET** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501**
0.162 mi.
854 ft. **Site 6 of 8 in cluster B**

Relative:
Lower

Actual:
844 ft.

US BROWNFIELDS:

Property Name:	ROBERTS DAIRY 1
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-36.000
Parcel size:	.39
Latitude:	39.77
Longitude:	-94.85
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117622
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/16/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Robert’s Dairy

ROBERTS DAIRY 1 (Continued) **1014758036**

Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.39
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported

ROBERTS DAIRY 1 (Continued) **1014758036**

Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Currently used as a parking lot for trucks owned by Robert's Dairy, has contained residences, a wagon shop and ice cream factory. All structures were removed by 1981.
Below Poverty Number:	1397
Below Poverty Percent:	2.9%
Meidan Income:	3606
Meidan Income Number:	2393
Meidan Income Percent:	1.7%
Vacant Housing Number:	477
Vacant Housing Percent:	8.4%
Unemployed Number:	227
Unemployed Percent:	17.7%
Property Name:	ROBERTS DAIRY 1
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-36.000
Parcel size:	.39
Latitude:	39.77
Longitude:	-94.85
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported

ROBERTS DAIRY 1 (Continued) **1014758036**

Datum:	World Geodetic System of 1984
Acres Property ID:	117622
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Robert’s Dairy
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported

ROBERTS DAIRY 1 (Continued) **1014758036**

Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.39
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported

ROBERTS DAIRY 1 (Continued) **1014758036**

Past Use: Multistory	Not reported
Property Description:	Currently used as a parking lot for trucks owned by Robert's Dairy, has contained residences, a wagon shop and ice cream factory. All structures were removed by 1981.
Below Poverty Number:	1397
Below Poverty Percent:	2.9%
Meidan Income:	3606
Meidan Income Number:	2393
Meidan Income Percent:	1.7%
Vacant Housing Number:	477
Vacant Housing Percent:	8.4%
Unemployed Number:	227
Unemployed Percent:	17.7%

B21 **WICKERSHAM PROPERTY** **US BROWNFIELDS** **1014754437**
WNW **324 SOUTH 5TH STREET** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501**
0.164 mi.
868 ft. **Site 7 of 8 in cluster B**

Relative:
Lower

Actual:
839 ft.

US BROWNFIELDS:

Property Name:	WICKERSHAM PROPERTY
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-059.000
Parcel size:	.06
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Point Where Substance is Processed, Treated, Settled, or Stored
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117724
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/15/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Bill Wickersham
Did Owner Change:	N

WICKERSHAM PROPERTY (Continued) **1014754437**

Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.06
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

WICKERSHAM PROPERTY (Continued) **1014754437**

Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Currently used for overflow parking by Sunshine Elctric Display Corporation, has contained residences and a restaurant until sometime between 1958-1965_.
Below Poverty Number:	401
Below Poverty Percent:	3.7%
Meidan Income:	2146
Meidan Income Number:	766
Meidan Income Percent:	1.9%
Vacant Housing Number:	235
Vacant Housing Percent:	6.3%
Unemployed Number:	103
Unemployed Percent:	14.4%
Property Name:	WICKERSHAM PROPERTY
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-059.000
Parcel size:	.06
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Point Where Substance is Processed, Treated, Settled, or Stored
Highlights:	Not reported
Datum:	World Geodetic System of 1984

WICKERSHAM PROPERTY (Continued) **1014754437**

Acres Property ID:	117724
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Bill Wickersham
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported

WICKERSHAM PROPERTY (Continued) **1014754437**

PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.06
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

WICKERSHAM PROPERTY (Continued) **1014754437**

Property Description:	Currently used for overflow parking by Sunshine Elctric Display Corporation, has contained residences and a restaurant until sometime between 1958-1965_.
Below Poverty Number:	401
Below Poverty Percent:	3.7%
Meidan Income:	2146
Meidan Income Number:	766
Meidan Income Percent:	1.9%
Vacant Housing Number:	235
Vacant Housing Percent:	6.3%
Unemployed Number:	103
Unemployed Percent:	14.4%

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22 WSW 1/8-1/4 0.164 mi. 868 ft. **CENTRAL TRUCK SERVICE** **MO UST U001162112**
5TH AND MESSANIE **N/A**
ST JOSEPH, MO 64501

Relative: Lower

Actual: 828 ft.

UST:

Facility ID:	ST0002418
Region:	KC
Easting:	341152.676
Northing:	4403074.06
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	CON_Fortin,Joel
Date GIS Data Collected:	03/17/2014
Lat/Long:	39.75775 / -94.85373
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW04768
Owner Name:	CENTRAL TRUCK SERVICE
Owner Address:	5TH & MESSANIE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	Not reported
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1975
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1981
Date Tank Permanently Closed/ Removed:	06/01/1989
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1989-06-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6052
Tank PK:	6052
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1989-06-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW04768
Owner Name:	CENTRAL TRUCK SERVICE
Owner Address:	5TH & MESSANIE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	Not reported

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Not reported
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1981
Date Tank Permanently Closed/ Removed:	06/01/1989
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1989-06-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6053
Tank PK:	6053
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Mixture:	False
Date of Last Use:	1989-06-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW04768
Owner Name:	CENTRAL TRUCK SERVICE
Owner Address:	5TH & MESSANIE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	Not reported
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Not reported
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1981
Date Tank Permanently Closed/ Removed:	06/01/1989
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1989-06-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6054
Tank PK:	6054
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1989-06-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW04768
Owner Name:	CENTRAL TRUCK SERVICE
Owner Address:	5TH & MESSANIE
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	Not reported
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	4
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1972
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	12/01/1981	
Date Tank Permanently Closed/ Removed:	07/01/1989	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	1989-07-01 00:00:00	
Date Record Added:	06/30/1995	
Date Record Edited:	03/08/2016	
Person Adding/Editing Record:	MCNALLY, M	
Date Of NFA Letter:	Not reported	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	Not reported	
Date Of Aprroval Letter:	Not reported	
Firm Closing Tank:	Not reported	
Date Closure Report Received:	Not reported	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	Not reported	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6055
Tank PK:	6055
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	250
Substance:	Other
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1989-07-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0002418
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0002418
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0002418
Tank Id:	4
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0002418
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported

CENTRAL TRUCK SERVICE (Continued) **U001162112**

Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

C23 **BROWN TRANSFER AND STORAGE (FORMER)** **MO VCP** **S112442394**
West **402 S. 5TH STREET** **MO BROWNFIELDS** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501** **MO SMARS**
0.166 mi.
874 ft. **Site 2 of 10 in cluster C**

Relative:
Lower

Actual:
834 ft.

VCP:

Northing:	4403195.19
Easting:	341152.25
Facility Status:	Inactive/Terminated by VCP
Activity Use:	Not reported
Manager:	Christine O'Keefe
Cert. of completion issued:	Not reported
Application Received:	11/14/2006
State Funded:	Yes
Federal Funded:	Not reported
Acreage:	2
Operable Unit:	Brown Transfer and Storage (former)
Site Description:	In 1923 it was a candy factory and then after 1934 Farmers Cooperative Marketing and then Wholesale Drugs occupied the building.
Contaminant:	Not reported

Northing:	4403195.19
Easting:	341152.25
Facility Status:	Cert. of Completion Issued
Activity Use:	Not reported
Manager:	Christine O'Keefe
Cert. of completion issued:	1/26/2016
Application Received:	12/27/2013
State Funded:	Not reported
Federal Funded:	Not reported
Acreage:	2
Operable Unit:	Brown Transfer and Storage (former)
Site Description:	In 1923 it was a candy factory and then after 1934 Farmers Cooperative Marketing and then Wholesale Drugs occupied the building.
Contaminant:	Not reported

MO BROWNFIELD:

Northing:	4403195.19
Easting:	341152.25
Operable Unit:	Brown Transfer and Storage (former)
State Funded:	Yes
Federal Funded:	Not reported

SMARS:

SM Number:	11704

BROWN TRANSFER AND STORAGE (FORMER) (Continued) **S112442394**

CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

C24 **CHASE CANDY** **US BROWNFIELDS** **1014754435**
West **402 SOUTH 5TH STREET** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501**
0.166 mi.
874 ft. **Site 3 of 10 in cluster C**

Relative:
Lower

Actual:
834 ft.

US BROWNFIELDS:

Property Name:	CHASE CANDY
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-084.000
Parcel size:	.77
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117722
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	89413
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	12/01/2010 00:00:00
Ownership Entity:	Private
Completion Date:	09/30/2011 00:00:00
Current Owner:	Mid City Partnership
Did Owner Change:	N
Cleanup Required:	U

CHASE CANDY (Continued) **1014754435**

Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.77
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported

CHASE CANDY (Continued) **1014754435**

Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Site was initially developed in 1883, hs been commercial since 1883. Chase Candy at site in 1949, other commercial interests and finally Mid City Properties in 2007.
Below Poverty Number:	401
Below Poverty Percent:	3.7%
Meidan Income:	2146
Meidan Income Number:	766
Meidan Income Percent:	1.9%
Vacant Housing Number:	235
Vacant Housing Percent:	6.3%
Unemployed Number:	103
Unemployed Percent:	14.4%
Property Name:	CHASE CANDY
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-084.000
Parcel size:	.77
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117722

CHASE CANDY (Continued) **1014754435**

IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Mid City Partnership
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y

CHASE CANDY (Continued) **1014754435**

PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.77
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Site was initially developed in 1883, hs been commercial since 1883.

CHASE CANDY (Continued) **1014754435**

Chase Candy at site in 1949, other commercial interests and finally Mid City Properties in 2007.

Below Poverty Number:	401
Below Poverty Percent:	3.7%
Meidan Income:	2146
Meidan Income Number:	766
Meidan Income Percent:	1.9%
Vacant Housing Number:	235
Vacant Housing Percent:	6.3%
Unemployed Number:	103
Unemployed Percent:	14.4%

Property Name:	CHASE CANDY
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-084.000
Parcel size:	.77
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117722
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/17/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Mid City Partnership
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported

CHASE CANDY (Continued) **1014754435**

IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.77
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported

CHASE CANDY (Continued) **1014754435**

No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Site was initially developed in 1883, hs been commercial since 1883. Chase Candy at site in 1949, other commercial interests and finally Mid City Properties in 2007.
Below Poverty Number:	401
Below Poverty Percent:	3.7%
Meidan Income:	2146
Meidan Income Number:	766
Meidan Income Percent:	1.9%
Vacant Housing Number:	235
Vacant Housing Percent:	6.3%
Unemployed Number:	103
Unemployed Percent:	14.4%

C25 **CHASE CANDY COMPANY BLDG FORMER** **RCRA NonGen / NLR** **1016453759**
West **402 S 5TH ST** **FINDS** **MOR000548420**
1/8-1/4 **ST JOSEPH, MO 64501** **ECHO**
0.166 mi.
874 ft. **Site 4 of 10 in cluster C**

Relative:
Lower

Actual:
834 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/20/2014
Facility name:	CHASE CANDY COMPANY BLDG FORMER
Facility address:	402 S 5TH ST ST JOSEPH, MO 64501-2147
EPA ID:	MOR000548420
Mailing address:	4409 HUNTER DR ST JOSEPH, MO 64506-4939
Contact:	KIRBY BROONER
Contact address:	4409 HUNTER DR ST JOSEPH, MO 64506-4939
Contact country:	US
Contact telephone:	816-901-0323
Contact email:	Not reported
EPA Region:	07

CHASE CANDY COMPANY BLDG FORMER (Continued) **1016453759**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MID CITY PARTNERSHIP INC
Owner/operator address: 4409 HUNTER DR
ST JOSEPH, MO 64506
Owner/operator country: US
Owner/operator telephone: 816-901-0323
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/13/2014
Owner/Op end date: Not reported

Owner/operator name: MID CITY PARTNERSHIP INC
Owner/operator address: 4409 HUNTER DR
ST JOSEPH, MO 64506
Owner/operator country: US
Owner/operator telephone: 816-901-0323
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/13/2014
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 01/13/2014
Site name: CHASE CANDY COMPANY BLDG FORMER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003

CHASE CANDY COMPANY BLDG FORMER (Continued) **1016453759**

. 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.

Violation Status: No violations found

FINDS:

Registry ID: 110057073633

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.

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

ECHO:
Envid: 1016453759
Registry ID: 110057073633
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110057073633

C26 **ENVIRONMENTAL SAMPLING TECH INC** **RCRA-SQG** **1008374096**
WSW **502 S 5TH ST** **MOR000520460**
1/8-1/4 **ST JOSEPH, MO 64501**
0.170 mi.
900 ft. **Site 5 of 10 in cluster C**

Relative:
Lower

Actual:
831 ft.

RCRA-SQG:
Date form received by agency: 05/16/2006
Facility name: ENVIRONMENTAL SAMPLING TECH INC
Facility address: 502 S 5TH ST
ST JOSEPH, MO 64501-2149
EPA ID: MOR000520460
Mailing address: S 5TH ST
ST JOSEPH, MO 64501-2149
Contact: TERRI SPENCER

ENVIRONMENTAL SAMPLING TECH INC (Continued) **1008374096**

Contact address:	502 S 5TH ST ST JOSEPH, MO 64501-2149
Contact country:	US
Contact telephone:	816-232-8860
Contact email:	SPND-EST@SBCGLOBAL.NET
EPA Region:	07
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ENVIRONMENTAL SAMPLING TECHNOLOGIES INC
Owner/operator address:	502 S 5TH ST ST JOSEPH, MO 64501
Owner/operator country:	US
Owner/operator telephone:	816-232-8860
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/08/2005
Owner/Op end date:	Not reported

Owner/operator name:	ENVIRONMENTAL SAMPLING TECHNOLOGIES INC
Owner/operator address:	502 S 5TH ST ST JOSEPH, MO 64501
Owner/operator country:	US
Owner/operator telephone:	816-232-8860
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/08/2005
Owner/Op end date:	Not reported

Handler Activities Summary:

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

ENVIRONMENTAL SAMPLING TECH INC (Continued) **1008374096**

Used oil transporter: No

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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.

Historical Generators:
Date form received by agency: 06/08/2005
Site name: ENVIRONMENTAL SAMPLING TECH INC
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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.

Violation Status: No violations found

Evaluation Action Summary:

ENVIRONMENTAL SAMPLING TECH INC (Continued) **1008374096**

Evaluation date: 01/23/2008
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

C27 **CENTRAL TRUCK SERVICE** **RCRA NonGen / NLR** **1007106501**
WSW **524 S 5TH** **MOD985792027**
1/8-1/4 **ST JOSEPH, MO 64501**
0.171 mi.
902 ft. **Site 6 of 10 in cluster C**

Relative:
Lower

Actual:
829 ft.

RCRA NonGen / NLR:
Date form received by agency: 07/11/2001
Facility name: CENTRAL TRUCK SERVICE
Facility address: 524 S 5TH
ST JOSEPH, MO 64501
EPA ID: MOD985792027
Mailing address: S 5TH
ST JOSEPH, MO 64501
Contact: STEPHEN ROSENAUER
Contact address: 524 S 5TH
ST JOSEPH, MO 64501
Contact country: US
Contact telephone: 816-279-0443
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STEPHEN ROSENAUER
Owner/operator address: 524 S 5TH
ST JOSEPH, MO 64501
Owner/operator country: Not reported
Owner/operator telephone: 816-279-0443
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

CENTRAL TRUCK SERVICE (Continued) **1007106501**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/24/1990
Site name: CENTRAL TRUCK SERVICE
Classification: Large Quantity Generator

Violation Status: No violations found

C28 **STEPHEN ROSENAUER** **MO UST** **U000283012**
WSW **524 S 5TH** **N/A**
1/8-1/4 **ST JOSEPH, MO 64501**
0.171 mi.
902 ft. **Site 7 of 10 in cluster C**

Relative:
Lower

Actual:
829 ft.

UST:
Facility ID: ST0002423
Region: KC
Easting: 341153.159
Northing: 4403075.40
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/27/2013
Lat/Long: 39.75775 / -94.85373
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW02482
Owner Name: STEPHEN ROSENAUER
Owner Address: 524 S 5TH
Owner City,St,Zip: ST JOSEPH, MO 64501
Owner County Code: 21
Owner Phone: 2790443
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Permanently Closed in place**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1979
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1982
Date Tank Permanently Closed/ Removed:	12/01/1982
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1982-12-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6059
Tank PK:	6059
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1982-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW02482
Owner Name:	STEPHEN ROSENAUER
Owner Address:	524 S 5TH
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2790443
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1979
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1982
Date Tank Permanently Closed/ Removed:	12/01/1982
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1982-12-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6060
Tank PK:	6060
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1982-12-01 00:00:00
Pipe Installation Date:	Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW02482
Owner Name:	STEPHEN ROSENAUER
Owner Address:	524 S 5TH
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2790443
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1977
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1982
Date Tank Permanently Closed/ Removed:	12/01/1982
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1982-12-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 6061
Tank PK: 6061
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 2000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1982-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW02482
Owner Name: STEPHEN ROSENAUER
Owner Address: 524 S 5TH
Owner City,St,Zip: ST JOSEPH, MO 64501
Owner County Code: 21
Owner Phone: 2790443
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: Not reported
Name of Person Editing Record: Not reported

Tank ID: 4
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Permanently Closed in place**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1977
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/01/1986
Date Tank Permanently Closed/ Removed:	11/01/1986
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	1982-12-01 00:00:00
Date Record Added:	06/30/1995
Date Record Edited:	03/08/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	6062
Tank PK:	6062
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	300
Substance:	Used Oil
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1986-11-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	4
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0002423
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0002423
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0002423
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0002423
Tank Id:	4
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported

STEPHEN ROSENAUER (Continued) **U000283012**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

29
South
1/8-1/4
0.177 mi.
933 ft.

SINGLE SOURCE INC
716 S 8TH ST
ST JOSEPH, MO 64501

RCRA-CESQG **1019324232**
FINDS **MOR000555995**
ECHO

Relative:
Lower

Actual:
835 ft.

RCRA-CESQG:

Date form received by agency:	08/10/2016
Facility name:	SINGLE SOURCE INC
Facility address:	716 S 8TH ST ST JOSEPH, MO 64501-2713
EPA ID:	MOR000555995
Contact:	REBECCA EMBREY
Contact address:	716 S 8TH ST ST JOSEPH, MO 64501-2713
Contact country:	US
Contact telephone:	816-279-8105
Contact email:	Not reported
EPA Region:	07
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	NATIONAL COATINGS & SUPPLIES
Owner/operator address:	4900 FALLS OF NEUSE SUITE 150 RALEIGH, NC 27609
Owner/operator country:	US
Owner/operator telephone:	919-573-2900
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/10/2016
Owner/Op end date:	Not reported

SINGLE SOURCE INC (Continued) **1019324232**

Owner/operator name: NATIONAL COATINGS & SUPPLIES
Owner/operator address: 4900 FALLS OF NEUSE SUITE 150
RALEIGH, NC 27609
Owner/operator country: US
Owner/operator telephone: 919-573-2900
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/10/2016
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

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

Violation Status: No violations found

FINDS:

Registry ID: 110069520931

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

SINGLE SOURCE INC (Continued) **1019324232**

corrective action activities required under RCRA.

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

ECHO:

Envid:	1019324232
Registry ID:	110069520931
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069520931

B30 **MID CITY PARTNERSHIP** **US BROWNFIELDS** **1014754438**
West **421 SYLVANIE STREET** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501**
0.177 mi.
936 ft. **Site 8 of 8 in cluster B**

Relative:
Lower

Actual:
837 ft.

US BROWNFIELDS:

Property Name:	MID CITY PARTNERSHIP
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-060.000
Parcel size:	.06
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117725
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Mid City Partnership
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N

MID CITY PARTNERSHIP (Continued) **1014754438**

Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.06
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported

MID CITY PARTNERSHIP (Continued) **1014754438**

Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The property is a vacant asphalt/gravel covered parking lot, from 1883-1949 it contained several small dwellings. Since 1949 it has been a vacant lot.
Below Poverty Number:	401
Below Poverty Percent:	3.7%
Meidan Income:	2146
Meidan Income Number:	766
Meidan Income Percent:	1.9%
Vacant Housing Number:	235
Vacant Housing Percent:	6.3%
Unemployed Number:	103
Unemployed Percent:	14.4%
Property Name:	MID CITY PARTNERSHIP
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-060.000
Parcel size:	.06
Latitude:	39.764
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117725
IC Data Access:	Not reported

MID CITY PARTNERSHIP (Continued) **1014754438**

Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/15/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Mid City Partnership
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported

MID CITY PARTNERSHIP (Continued) **1014754438**

PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.06
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The property is a vacant asphalt/gravel covered parking lot, from 1883-1949 it contained several small dwellings. Since 1949 it has been

MID CITY PARTNERSHIP (Continued) **1014754438**

a vacant lot.
Below Poverty Number: 401
Below Poverty Percent: 3.7%
Meidan Income: 2146
Meidan Income Number: 766
Meidan Income Percent: 1.9%
Vacant Housing Number: 235
Vacant Housing Percent: 6.3%
Unemployed Number: 103
Unemployed Percent: 14.4%

---

31 **FORMER ST. JOSEPH POLICE DEPARTMENT** **MO UST** **U000753413**
SSE **710 S 9TH ST** **N/A**
1/8-1/4 **ST JOSEPH, MO 64501**
0.179 mi.
945 ft.

Relative:
Lower

Actual:
842 ft.

UST:
Facility ID: ST0005469
Region: KC
Easting: 341554.280
Northing: 4402870.55
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 08/27/2013
Lat/Long: 39.75775 / -94.85373
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW06630
Owner Name: DOROTHY LAFOLLETTE
Owner Address: 3024 ASHLAND AVENUE
Owner City,St,Zip: ST JOSEPH, MO 64506
Owner County Code: 21
Owner Phone: 2335576
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1999-03-23 00:00:00
Name of Person Editing Record: NREQHW-FASTT

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1974
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported

FORMER ST. JOSEPH POLICE DEPARTMENT (Continued) **U000753413**

Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1986
Date Tank Permanently Closed/ Removed:	01/08/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	03/04/2016
Person Adding/Editing Record:	MCNALLY, M
Date Of NFA Letter:	02/28/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/11/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	LEWIS EXCAVATING
Date Closure Report Received:	1996-02-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13444
Tank PK:	13444
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1986-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0005469
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported

FORMER ST. JOSEPH POLICE DEPARTMENT (Continued) **U000753413**

Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

32
NNW
1/8-1/4
0.186 mi.
982 ft.

CREVISTON & SON JEWELRY MFG CO INC **RCRA NonGen / NLR** **1000433365**
114 N 7TH **MOD007127434**
ST JOSEPH, MO 64501

Relative:
Higher

Actual:
874 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/18/1980
Facility name:	CREVISTON & SON JEWELRY MFG CO INC
Facility address:	114 N 7TH ST JOSEPH, MO 64501-1404
EPA ID:	MOD007127434
Mailing address:	N 7TH ST JOSEPH, MO 64501
Contact:	JAMES CREVISTON
Contact address:	114 N 7TH ST JOSEPH, MO 64501
Contact country:	US
Contact telephone:	816-232-7971
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

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: D000
. Waste name: Not Defined

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

CREVISTON & SON JEWELRY MFG CO INC (Continued) **1000433365**

Violation Status: No violations found

33
NNW
1/8-1/4
0.191 mi.
1007 ft.

WARDS BUILDING
518 FELIX ST.
ST. JOSEPH, MO 64501

MO SMARS **S117725387**
N/A

Relative:
Higher

Actual:
864 ft.

SMARS:

SM Number:	12564
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

34
NE
1/8-1/4
0.191 mi.
1007 ft.

ROBIDOUX
EDMOND AND 10TH ST
ST JOSEPH, MO 64501

MO LUST **U003981268**
MO UST **N/A**

Relative:
Higher

Actual:
914 ft.

LUST:

Facility ID:	ST5830202
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	04/25/1990
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	04/25/1990
Date Cleanup Finished:	01/29/1991
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1991-01-30 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R002013
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	02/20/2017

ROBIDOUX (Continued) **U003981268**

Person Adding Or Editing Record:	BROWN, R
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

UST:

Facility ID:	ST5830202
Region:	KC
Easting:	341683.340
Northing:	4403420.09
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	BROWN, R
Date GIS Data Collected:	03/28/2017
Lat/Long:	39.7657439 / -94.848240
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner County Code:	Not reported
Owner Phone:	Not reported
Mail Was Not Deliverable:	Not reported
Is Owner Active?:	Not reported
Date Registration Received:	Not reported
Date Record Added:	Not reported
Date Record Edited:	Not reported
Name of Person Editing Record:	Not reported

Tank ID:	Not reported
Tank Double Wall:	Not reported
Tank Type:	Not reported
Tank Status:	**Not reported**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Not reported
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	Not reported
Expedite Closure On Tank?:	Not reported
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported

ROBIDOUX (Continued) **U003981268**

Date Administratively Closed:	Not reported
Date Record Added:	Not reported
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Not reported
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	Not reported
Comments:	Not reported

Tank Aug 2011:

Facility Id:	ST5830202
Tank Id:	Not reported
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	Not reported
No Buildings:	Not reported
Vapor Barrier:	Not reported
St Louis Mo:	Not reported
Special Well Area:	Not reported
Surface Cap:	Not reported
No Excavation:	Not reported

D35 **ALLEY - CITY EASEMENT** **US BROWNFIELDS** **1014754439**
West **WEST OF 402 S 5TH STREET** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501**
0.198 mi.
1045 ft. **Site 1 of 6 in cluster D**

Relative:
Lower

Actual:
833 ft.

US BROWNFIELDS:

Property Name:	ALLEY - CITY EASEMENT
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	not available
Parcel size:	.75
Latitude:	39.764
Longitude:	-94.855
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117726
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported

ALLEY - CITY EASEMENT (Continued) **1014754439**

Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Mid Continent Partnership
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y

ALLEY - CITY EASEMENT (Continued) **1014754439**

Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.75
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Alley is used as a right of way and loading area for active businesses. Property has been used as an alleyway since 1883, railroad track was constructed before 1897.
Below Poverty Number:	337
Below Poverty Percent:	3.9%

ALLEY - CITY EASEMENT (Continued) **1014754439**

Meidan Income:	1720
Meidan Income Number:	663
Meidan Income Percent:	2.0%
Vacant Housing Number:	217
Vacant Housing Percent:	6.1%
Unemployed Number:	85
Unemployed Percent:	15.5%
Property Name:	ALLEY - CITY EASEMENT
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	not available
Parcel size:	.75
Latitude:	39.764
Longitude:	-94.855
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117726
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/17/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Mid Continent Partnership
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported

ALLEY - CITY EASEMENT (Continued) **1014754439**

State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.75
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported

ALLEY - CITY EASEMENT (Continued) **1014754439**

Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Alley is used as a right of way and loading area for active businesses. Property has been used as an alleyway since 1883, railroad track was constructed before 1897.
Below Poverty Number:	337
Below Poverty Percent:	3.9%
Meidan Income:	1720
Meidan Income Number:	663
Meidan Income Percent:	2.0%
Vacant Housing Number:	217
Vacant Housing Percent:	6.1%
Unemployed Number:	85
Unemployed Percent:	15.5%

36
NW
1/8-1/4
0.200 mi.
1058 ft.

ROBERT LOWELL **US BROWNFIELDS** **1014754436**
428 EDMOND STREET **N/A**
ST. JOSEPH, MO 64501

Relative:
Lower

Actual:
848 ft.

US BROWNFIELDS:

Property Name:	ROBERT LOWELL
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-035.000
Parcel size:	.3
Latitude:	39.766
Longitude:	-94.854
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117723
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported

ROBERT LOWELL (Continued) **1014754436**

Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Coasob Incorporated
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported

ROBERT LOWELL (Continued) **1014754436**

Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Since 1955, the property hass been used as a private parking lot, it previously contained a wagon yard, a feed yard and a building with commercial businesses.
Below Poverty Number:	548
Below Poverty Percent:	3.4%
Meidan Income:	1545

ROBERT LOWELL (Continued) **1014754436**

Meidan Income Number:	996
Meidan Income Percent:	1.8%
Vacant Housing Number:	258
Vacant Housing Percent:	7.1%
Unemployed Number:	116
Unemployed Percent:	15.8%

37
SW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

Actual:
823 ft.

ST JOSEPH TRANSIT CITY OF **RCRA NonGen / NLR** **1001488521**
702 S 5TH ST **MOR000033167**
ST JOSEPH, MO 64501

RCRA NonGen / NLR:

Date form received by agency:	06/19/2000
Facility name:	ST JOSEPH TRANSIT CITY OF
Facility address:	702 S 5TH ST ST JOSEPH, MO 64501
EPA ID:	MOR000033167
Mailing address:	S 5TH ST ST JOSEPH, MO 64501
Contact:	CHARLIE MOSSER
Contact address:	702 S 5TH ST ST JOSEPH, MO 64501
Contact country:	US
Contact telephone:	816-271-5384
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF ST JOSEPH
Owner/operator address:	11TH & FREDERICK ST JOSEPH, MO 64501
Owner/operator country:	Not reported
Owner/operator telephone:	816-271-4653
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

ST JOSEPH TRANSIT CITY OF (Continued) **1001488521**

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

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

C38 **HEARTLAND REG MED CTR WEST DEMO** **RCRA NonGen / NLR** **1010322603**
West **520 ANGELIQUE** **MOP000515833**
1/8-1/4 **ST JOSEPH, MO 64501**
0.202 mi.
1065 ft. **Site 8 of 10 in cluster C**

Relative:
Lower

Actual:
827 ft.

RCRA NonGen / NLR:
Date form received by agency: 11/27/2006
Facility name: HEARTLAND REG MED CTR WEST DEMO
Facility address: 520 ANGELIQUE
ST JOSEPH, MO 64501
EPA ID: MOP000515833
Mailing address: PO BOX 32
GREENWOOD, MO 64034
Contact: MONICA BAKER
Contact address: PO BOX 32
GREENWOOD, MO 64034
Contact country: US
Contact telephone: 816-537-4950
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HEARTLAND REG MED CTR WEST
Owner/operator address: ANGELIQUE
ST JOSEPH, MO 64501
Owner/operator country: US
Owner/operator telephone: 816-537-4950
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/07/2006
Owner/Op end date: Not reported

Owner/operator name: HEARTLAND REG MED CTR WEST
Owner/operator address: ANGELIQUE
ST JOSEPH, MO 64501
Owner/operator country: US
Owner/operator telephone: 816-537-4950
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator

HEARTLAND REG MED CTR WEST DEMO (Continued) **1010322603**

Owner/Op start date: 11/07/2006
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: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/07/2006
Site name: HEARTLAND REG MED CTR WEST DEMO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

C39 **HEARTLAND/LIGHT AND POWER STORAGE BUILDING** **MO VCP** **S105791257**
West **502 ANGELIQUE** **MO BROWNFIELDS** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501** **MO SMARS**
0.205 mi.
1080 ft. **Site 9 of 10 in cluster C**

Relative:
Lower

Actual:
827 ft.

VCP:
Northing: 4403063.1495
Easting: 341208.69581
Facility Status: Cert. of Completion Issued
Activity Use: Not reported
Manager: Carey Bridges
Cert. of completion issued: 9/26/2007
Application Received: 10/23/2001
State Funded: Not reported
Federal Funded: Yes
Acreage: 3
Operable Unit: Heartland/Light and Power Storage Building
Site Description: This three acre site, which was developed prior to 1883, has a 40,000 square foot brick warehouse structure. This structure has been owned by multiple parties, including several variations of St. Joseph Light & Power Company from 1916 to 1980, with uses including a vehicle maintenance facility. Brown Transfer and Storage Company has operated the site for over twenty years as a storage facility for items such as furniture, computers, automobiles and cardboard. Located on the

HEARTLAND/LIGHT AND POWER STORAGE BUILDING (Continued) **S105791257**

riverfront, this site is part of a larger Brownfields project in St. Joseph. Site Investigations documented both soil and groundwater impacts from petroleum hydrocarbons, benzene, ethylbenzene and xylene associated with the underground storage tank (UST) and hydraulic lifts, and asbestos containing material (ACM) and lead-based paint (LBP) in the on-site building. The ACM and LBP were removed from the building in accordance with a Missouri Department of Natural Resources (Department)-approved Risk Management Plan. The hydraulic lift, UST and surrounding contaminated soils were excavated and disposed of off-site. Oxygen Release Compound Advanced was mixed with clean backfill material and placed in the excavations to enhance degradation of any remaining impacted soil. Once filled and compacted, both areas were covered with six inches of concrete as part of the final construction process. The interior renovation included an approximate two-inch concrete overlay of the existing concrete slab, with a final coat of epoxy sealant. The Department determined that the site is safe for unrestricted use. A Certificate of Completion was issued September 26, 2007.

Contaminant: Asbestos,Gasoline,Lead-Based Paint,Motor Oil/Lubricants

MO BROWNFIELD:
Northing: 4403063.1495
Easting: 341208.69581
Operable Unit: Heartland/Light and Power Storage Building
State Funded: Not reported
Federal Funded: Yes

SMARS:

SM Number:	10966
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

C40 **HEATLAND FOUNDATION EMPOWER PLANT** **US BROWNFIELDS** **1016348759**
West **502 ANGELIQUE STREET** **FINDS** **N/A**
1/8-1/4 **ST. JOSEPH, MO 64501**
0.205 mi.
1080 ft. **Site 10 of 10 in cluster C**

Relative:
Lower

Actual:
827 ft.

US BROWNFIELDS:

Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	54441.7
Cleanup Funding Source:	Private/Other Funding
Assessment Funding:	2994.5
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Heartland Foundation
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	08/22/2001 00:00:00
Ownership Entity:	Government
Completion Date:	10/01/2001 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%

Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	200000
Cleanup Funding Source:	US EPA - Brownfields Cleanup Cooperative Agreement
Assessment Funding:	10585
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	05/31/2001 00:00:00
Ownership Entity:	Government
Completion Date:	07/16/2001 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%
Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	54441.7
Cleanup Funding Source:	Private/Other Funding
Assessment Funding:	900
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Heartland Foundation
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	09/15/2004 00:00:00
Ownership Entity:	Government
Completion Date:	09/21/2004 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%

Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	200000
Cleanup Funding Source:	US EPA - Brownfields Cleanup Cooperative Agreement
Assessment Funding:	900
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	09/15/2004 00:00:00
Ownership Entity:	Government
Completion Date:	09/21/2004 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%
Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	54441.7
Cleanup Funding Source:	Private/Other Funding
Assessment Funding:	4100
Assessment Funding Source:	Other Federal Funding

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Heartland Foundation
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	04/12/2001 00:00:00
Ownership Entity:	Government
Completion Date:	05/03/2001 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Unemployed Number:	105
Unemployed Percent:	14.1%
Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	54441.7
Cleanup Funding Source:	Private/Other Funding
Assessment Funding:	10585
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Heartland Foundation
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	05/31/2001 00:00:00
Ownership Entity:	Government
Completion Date:	07/16/2001 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%

Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56
Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	200000
Cleanup Funding Source:	US EPA - Brownfields Cleanup Cooperative Agreement
Assessment Funding:	2994.5
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	08/22/2001 00:00:00
Ownership Entity:	Government
Completion Date:	10/01/2001 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%
Property Name:	HEATLAND FOUNDATION EMPOWER PLANT
Recipient Name:	Heartland Foundation
Grant Type:	Cleanup
Property Number:	Lots 1, 3, 4, 5, 6, 10, 11,12 of Block 56

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Parcel size:	3
Latitude:	39.76324
Longitude:	-94.85437
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15853
IC Data Access:	Not reported
Start Date:	11/28/2005 00:00:00
Redev Completition Date:	Not reported
Completed Date:	04/25/2006 00:00:00
Acres Cleaned Up:	3
Cleanup Funding:	200000
Cleanup Funding Source:	US EPA - Brownfields Cleanup Cooperative Agreement
Assessment Funding:	4100
Assessment Funding Source:	Other Federal Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	05/11/2006 00:00:00
Assessment Funding Entity:	US HUD
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	98746501
Start Date:	04/12/2001 00:00:00
Ownership Entity:	Government
Completion Date:	05/03/2001 00:00:00
Current Owner:	Heartland Foundation
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	11/08/2001 00:00:00
State/tribal program ID:	N/A
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	3
Past use industrial acreage:	Not reported
Future use greenspace acreage:	.1
Future use residential acreage:	Not reported
Future use commercial acreage:	3
Future use industrial acreage:	Not reported
Greenspace acreage and type:	.1
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported

HEATLAND FOUNDATION EMPOWER PLANT (Continued) **1016348759**

Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Approximate three acre property improved with a 40,000 sq.ft. brick storage warehouse. The site was owned by variations of St. Joseph Power and Light from 1916 to 1980.
Below Poverty Number:	397
Below Poverty Percent:	3.7%
Meidan Income:	2520
Meidan Income Number:	759
Meidan Income Percent:	1.9%
Vacant Housing Number:	237
Vacant Housing Percent:	6.2%
Unemployed Number:	105
Unemployed Percent:	14.1%

FINDS:

Registry ID: 110038748898

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

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

D41 **HPI PRODUCTS INC** **RCRA NonGen / NLR** **1010322858**
West **417 S 4TH ST** **EPA WATCH LIST** **MOR000525592**
1/8-1/4 **ST JOSEPH, MO 64501**
0.208 mi.
1099 ft. **Site 2 of 6 in cluster D**

Relative:
Lower

Actual:
828 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/31/2009
Facility name:	HPI PRODUCTS INC
Facility address:	417 S 4TH ST ST JOSEPH, MO 64501
EPA ID:	MOR000525592
Mailing address:	P O BOX 997 ST JOSEPH, MO 64502
Contact:	SID L HOOVER
Contact address:	P O BOX 997 ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-233-1237
Telephone ext.:	1314
Contact email:	SHOOVER@HPIPI.COM
EPA Region:	07
Land type:	Private

HPI PRODUCTS INC (Continued) **1010322858**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HPI PRODUCTS INC
Owner/operator address: P O BOX 997
ST JOSEPH, MO 64502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/15/1996
Owner/Op end date: Not reported

Owner/operator name: ST JOSEPH PROPERTIES
Owner/operator address: P O BOX 997
ST JOSEPH, MO 64502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/15/1996
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 02/22/2008
Site name: HPI PRODUCTS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002

HPI PRODUCTS INC (Continued) **1010322858**

. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D014
. Waste name: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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: P039
. Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U240
. Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

. Waste code: U244
. Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM

. Waste code: U247
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR

HPI PRODUCTS INC (Continued) **1010322858**

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Date form received by agency: 12/20/2006
Site name: HPI PRODUCTS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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.

HPI PRODUCTS INC (Continued) **1010322858**

. Waste code: P039
. Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[2-(ETHYLTHIO)ETHYL] ESTER

. Waste code: P044
. Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

. Waste code: P089
. Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U055
. Waste name: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U092
. Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U145
. Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U176
. Waste name: N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-

HPI PRODUCTS INC (Continued) **1010322858**

. Waste code: U177
. Waste name: N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-

. Waste code: U183
. Waste name: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

. Waste code: U240
. Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

. Waste code: U249
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

. Waste code: U328
. Waste name: BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE

. Waste code: U353
. Waste name: BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE

. Waste code: U359
. Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/23/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 01/12/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

HPI PRODUCTS INC (Continued) **1010322858**

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/03/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: REFERRAL TO DEPARTMENT OF JUSTICE
Enforcement action date: 09/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/2007
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 03/21/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/13/2006
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: NOTICE OF DETERMINATION
Enforcement action date: 01/16/2007
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

HPI PRODUCTS INC (Continued) **1010322858**

Evaluation Action Summary:
Evaluation date: 10/09/2012
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/24/2007
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/20/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/13/2007
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/13/2007
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 12/13/2006
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: State

EPA WATCH LIST:
Facility ID: MOR000525592
Program: RCRA Facilities
List date: November 2012 Watch List

Facility ID: MOR000525592
Program: RCRA Facilities
List date: December 2012 Watch List

Facility ID: MOR000525592
Program: RCRA Facilities
List date: June 2013 RCRA Watch List

Facility ID: MOR000525592
Program: RCRA Facilities
List date: April 2013 RCRA Watch List

Facility ID: MOR000525592
Program: RCRA Facilities
List date: May 2013 RCRA Watch List

HPI PRODUCTS INC (Continued) **1010322858**

Facility ID: MOR000525592
Program: RCRA Facilities
List date: March 2013 RCRA Watch List

Facility ID: MOR000525592
Program: RCRA Facilities
List date: August 2013 Watch List

Facility ID: MOR000525592
Program: RCRA Facilities
List date: July 2013 Watch List

D42 **HPI CHEMICAL PRODUCTS** **SEMS** **1010082241**
West **417 S. FOURTH ST.** **MON000705540**
1/8-1/4 **ST JOSEPH, MO 64501**
0.208 mi.
1099 ft. **Site 3 of 6 in cluster D**

Relative:
Lower

Actual:
828 ft.

SEMS:
Site ID: 705540
EPA ID: MON000705540
Cong District: 6
FIPS Code: 29021
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:
Region: 7
Site ID: 705540
EPA ID: MON000705540
Site Name: HPI CHEMICAL PRODUCTS
NPL: N
FF: N
OU: 0
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 2007-03-11 00:00:00
Finish Date: 3/20/2007
Qual: Not reported
Current Action Lead: EPA Perf

Region: 7
Site ID: 705540
EPA ID: MON000705540
Site Name: HPI CHEMICAL PRODUCTS
NPL: N
FF: N
OU: 0
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 2016-07-22 00:00:00
Finish Date: 3/13/2017
Qual: Not reported

HPI CHEMICAL PRODUCTS (Continued) **1010082241**

Current Action Lead:	EPA Perf
Region:	7
Site ID:	705540
EPA ID:	MON000705540
Site Name:	HPI CHEMICAL PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2009-11-03 00:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	7
Site ID:	705540
EPA ID:	MON000705540
Site Name:	HPI CHEMICAL PRODUCTS
NPL:	N
FF:	N
OU:	0
Action Code:	BB
Action Name:	PRP RV
SEQ:	3
Start Date:	2007-03-20 00:00:00
Finish Date:	3/13/2017
Qual:	S
Current Action Lead:	EPA Ovrsght

E43 **ARNOLDS ANTIQUES** **RCRA NonGen / NLR** **1004740655**
SSW **644 S 6 ST** **MOD985796465**
1/8-1/4 **ST JOSEPH, MO 64501**
0.211 mi.
1114 ft. **Site 1 of 2 in cluster E**

Relative:
Lower

Actual:
823 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/26/2007
Facility name:	ARNOLDS ANTIQUES
Facility address:	644 S 6 ST ST JOSEPH, MO 64501
EPA ID:	MOD985796465
Mailing address:	RT 2 BOX 99 WATHENA, KS 66090
Contact:	GALEN ARNOLD
Contact address:	RT 2 BOX 99 WATHENA, KS 66090
Contact country:	US
Contact telephone:	913-365-4832
Contact email:	Not reported
EPA Region:	07
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

ARNOLDS ANTIQUES (Continued) **1004740655**

Owner/Operator Summary:
Owner/operator name: GALEN ARNOLD
Owner/operator address: PO BOX 99
WATHENA, KS 66090
Owner/operator country: Not reported
Owner/operator telephone: 913-365-4832
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GALEN ARNOLD
Owner/operator address: PO BOX 99
WATHENA, KS 66090
Owner/operator country: Not reported
Owner/operator telephone: 913-365-4832
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 01/18/2001
Site name: ARNOLDS ANTIQUES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/16/1994
Site name: ARNOLDS ANTIQUES
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

ARNOLDS ANTIQUES (Continued) **1004740655**

Evaluation Action Summary:
- Evaluation date: 08/06/2008
- Evaluation: COMPLIANCE ASSISTANCE VISIT
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State

D44 **RICHMOND SCREW ANCHOR CO INC** **RCRA NonGen / NLR** **1007107563**
WNW **315 S 4TH ST** **MOP000011619**
1/8-1/4 **ST JOSEPH, MO 64501**
0.213 mi.
1124 ft. **Site 4 of 6 in cluster D**

Relative:
Lower

Actual:
835 ft.

RCRA NonGen / NLR:
- Date form received by agency: 05/04/2005
- Facility name: RICHMOND SCREW ANCHOR CO INC
- Site name: BMS WAREHOUSE
- Facility address: 315 S 4TH ST
  ST JOSEPH, MO 64501
- EPA ID: MOP000011619
- Mailing address: W OSBORN RD
  PHOENIX, AZ 85103
- Contact: KAREN KRINGSTAD
- Contact address: 301 W OSBORN RD
  PHOENIX, AZ 85103
- Contact country: US
- Contact telephone: 800-825-2555
- Contact email: Not reported
- EPA Region: 07
- Land type: Facility is not located on Indian land. Additional information is not known.
- Classification: Non-Generator
- Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
- Owner/operator name: EVANS BROTHERS
- Owner/operator address: 524 ALBEMARLE
  ST JOSEPH, MO 64501
- Owner/operator country: Not reported
- Owner/operator telephone: 816-364-6554
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No

RICHMOND SCREW ANCHOR CO INC (Continued) **1007107563**

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

Historical Generators:
Date form received by agency: 05/04/2005
Site name: RICHMOND SCREW ANCHOR CO INC
Classification: Not a generator, verified

Date form received by agency: 03/14/1997
Site name: BMS WAREHOUSE
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. 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.

Date form received by agency: 08/26/1993
Site name: RICHMOND SCREW ANCHOR CO INC
Classification: Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 01/23/2008
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

D45 **RICHMOND SCREW ANCHOR CO INC** **SEMS-ARCHIVE** **1003876427**
WNW **315 S 4TH ST** **MOD073068116**
1/8-1/4 **ST JOSEPH, MO 64501**
0.213 mi.
1124 ft. **Site 5 of 6 in cluster D**

Relative:
Lower

Actual:
835 ft.

SEMS Archive:
Site ID: 701025
EPA ID: MOD073068116
Cong District: 6
FIPS Code: 29021

RICHMOND SCREW ANCHOR CO INC (Continued) **1003876427**

FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 7
Site ID: 701025
EPA ID: MOD073068116
Site Name: RICHMOND SCREW ANCHOR CO INC
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1983-12-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701025
EPA ID: MOD073068116
Site Name: RICHMOND SCREW ANCHOR CO INC
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-12-01 00:00:00
Finish Date: 1983-12-01 00:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 7
Site ID: 701025
EPA ID: MOD073068116
Site Name: RICHMOND SCREW ANCHOR CO INC
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-08-01 00:00:00
Finish Date: 1980-08-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 7
Site ID: 701025
EPA ID: MOD073068116
Site Name: RICHMOND SCREW ANCHOR CO INC
NPL: N
FF: N
OU: 0
Action Code: SI

RICHMOND SCREW ANCHOR CO INC (Continued) **1003876427**

Action Name:	SI
SEQ:	1
Start Date:	1983-12-01 00:00:00
Finish Date:	1983-12-01 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

E46 **INDEPENDENT ELECTRIC MACH CO** **RCRA NonGen / NLR** **1000830423**
SSW **611 PATEE ST** **MOD985816701**
1/8-1/4 **ST JOSEPH, MO 64501**
0.228 mi.
1206 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
825 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/06/2004
Facility name:	INDEPENDENT ELECTRIC MACH CO
Facility address:	611 PATEE ST ST JOSEPH, MO 64501
EPA ID:	MOD985816701
Mailing address:	PATEE ST ST JOSEPH, MO 64501
Contact:	STEVE HODGE
Contact address:	611 PATEE ST ST JOSEPH, MO 64501
Contact country:	US
Contact telephone:	816-232-2404
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DAVID B LAUNDER
Owner/operator address:	NA NA, MO
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

INDEPENDENT ELECTRIC MACH CO (Continued) **1000830423**

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

Historical Generators:
Date form received by agency: 06/08/1996
Site name: INDEPENDENT ELECTRIC MACH CO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

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47 WNW 1/8-1/4 0.229 mi. 1209 ft. **ARENA** **MO UST** **U000284909**
4TH AND CHARLES ST **N/A**
ST JOSEPH, MO 64501

Relative: Lower

Actual: 836 ft.

UST:
Facility ID: ST0011111
Region: KC
Easting: 341053.170
Northing: 4403306.14
Owner Of Geospatial Data: Not reported
Geospatial Data Collected By: INT_STEINBECK,Eli
Date GIS Data Collected: 06/19/2014
Lat/Long: 39.75775 / -94.85373
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW05405
Owner Name: HOME OIL & GAS CORP
Owner Address: 915 ATCHISON ST PO BOX 3108
Owner City,St,Zip: ST JOSEPH, MO 64503
Owner County Code: Not reported
Owner Phone: 2328494
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1997-06-03 00:00:00
Name of Person Editing Record: N$TAYLK

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1964
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported

ARENA (Continued) **U000284909**

Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	10/01/1987	
Date Tank Permanently Closed/ Removed:	Not reported	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	Yes	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	06/30/1995	
Date Record Edited:	07/17/2007	
Person Adding/Editing Record:	LIGHT, K	
Date Of NFA Letter:	03/07/1997	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	03/16/1992	
Date Of Aprroval Letter:	Not reported	
Firm Closing Tank:	HOME OIL & GAS	
Date Closure Report Received:	1994-02-03 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	LETTER FOR 1-8,000 GAS, 1-600 GAS, 1-550 WASTE OIL & 1-550 GAS ---------- ---------- NEED 3 SAMPLES FROM EXC SOIL, TCLP METALS FROM BENEATH WASTE OIL UST, 1-8000 GAL GAS, 1-6000 GAL GAS, 2-550 1 WASTE OIL 1-GAS	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	27483
Tank PK:	27483
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	8000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1987-10-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

ARENA (Continued) **U000284909**

Owner:

Owner ID:	OW05405
Owner Name:	HOME OIL & GAS CORP
Owner Address:	915 ATCHISON ST PO BOX 3108
Owner City,St,Zip:	ST JOSEPH, MO 64503
Owner County Code:	Not reported
Owner Phone:	2328494
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1997-06-03 00:00:00
Name of Person Editing Record:	N$TAYLK

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1964
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	10/01/1987
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	Yes
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/17/2007
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	03/07/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/16/1992
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HOME OIL & GAS
Date Closure Report Received:	1994-02-03 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 1-8,000 GAS, 1-600 GAS, 1-550 WASTE OIL & 1-550 GAS ---------- ---------- NEED 3 SAMPLES FROM EXC SOIL, TCLP METALS FROM BENEATH WASTE OIL UST, 1-8000 GAL GAS, 1-6000 GAL GAS, 2-550 1 WASTE OIL 1-GAS

ARENA (Continued) **U000284909**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	27484
Tank PK:	27484
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1987-10-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW05405
Owner Name:	HOME OIL & GAS CORP
Owner Address:	915 ATCHISON ST PO BOX 3108
Owner City,St,Zip:	ST JOSEPH, MO 64503
Owner County Code:	Not reported
Owner Phone:	2328494
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1997-06-03 00:00:00
Name of Person Editing Record:	N$TAYLK

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1952
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	02/01/1994

ARENA (Continued) **U000284909**

Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: Yes
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/17/2007
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 03/07/1997
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/16/1992
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HOME OIL & GAS
Date Closure Report Received: 1994-02-03 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: LETTER FOR 1-8,000 GAS, 1-600 GAS, 1-550 WASTE OIL & 1-550 GAS

---------- NEED 3 SAMPLES FROM EXC SOIL, TCLP METALS FROM BENEATH WASTE OIL UST, 1-8000 GAL GAS, 1-6000 GAL GAS, 2-550 1 WASTE OIL 1-GAS

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 27485
Tank PK: 27485
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 550
Substance: Used Oil
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1994-02-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: 4
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW05405
Owner Name: HOME OIL & GAS CORP
Owner Address: 915 ATCHISON ST PO BOX 3108
Owner City,St,Zip: ST JOSEPH, MO 64503
Owner County Code: Not reported
Owner Phone: 2328494
Mail Was Not Deliverable: No

ARENA (Continued) **U000284909**

Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1997-06-03 00:00:00
Name of Person Editing Record:	N$TAYLK

Tank ID:	4
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1952
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1964
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	Yes
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/17/2007
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	03/07/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/16/1992
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HOME OIL & GAS
Date Closure Report Received:	1994-02-03 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	LETTER FOR 1-8,000 GAS, 1-600 GAS, 1-550 WASTE OIL & 1-550 GAS --- ---------- NEED 3 SAMPLES FROM EXC SOIL, TCLP METALS FROM BENEATH WASTE OIL UST, 1-8000 GAL GAS, 1-6000 GAL GAS, 2-550 1 WASTE OIL 1-GAS

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	27486
Tank PK:	27486
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550

ARENA (Continued) **U000284909**

Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1964-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW05405
Owner Name:	HOME OIL & GAS CORP
Owner Address:	915 ATCHISON ST PO BOX 3108
Owner City,St,Zip:	ST JOSEPH, MO 64503
Owner County Code:	Not reported
Owner Phone:	2328494
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1997-06-03 00:00:00
Name of Person Editing Record:	N$TAYLK

Tank ID:	5
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	07/15/1996
Date Record Edited:	07/15/1996

ARENA (Continued) **U000284909**

Person Adding/Editing Record:	N$HOEGR
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	27487
Tank PK:	27487
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	Not reported
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-11-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	4
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0011111
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0011111
Tank Id:	2
Site Usage:	Not reported

ARENA (Continued) **U000284909**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0011111
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0011111
Tank Id:	4
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0011111
Tank Id:	5
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported

ARENA (Continued) **U000284909**

Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

F48 **HERZOG RED E MIX** **RCRA NonGen / NLR** **1007106672**
SSW **613 PATEE** **MOD985797380**
1/8-1/4 **ST JOSEPH, MO 64501**
0.231 mi.
1219 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
825 ft.

RCRA NonGen / NLR:

Date form received by agency:	07/15/2002
Facility name:	HERZOG RED E MIX
Facility address:	613 PATEE ST JOSEPH, MO 64501
EPA ID:	MOD985797380
Mailing address:	PO BOX 432 ST JOSEPH, MO 64502
Contact:	VIRGIL STANPON
Contact address:	PO BOX 432 ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-364-6111
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HERZOG RED E MIX
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

HERZOG RED E MIX (Continued) **1007106672**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	04/23/1991
Site name:	HERZOG RED E MIX
Classification:	Small Quantity Generator

Violation Status: No violations found

49
NW
1/8-1/4
0.233 mi.
1230 ft.

Relative:
Higher

Actual:
861 ft.

FAMILY GUIDANCE CENTER **RCRA NonGen / NLR** **1007105744**
422 FELIX ST 200 CORBY BLDG **MOD086050093**
ST JOSEPH, MO 64501

RCRA NonGen / NLR:

Date form received by agency:	08/26/1993
Facility name:	FAMILY GUIDANCE CENTER
Facility address:	422 FELIX ST 200 CORBY BLDG ST JOSEPH, MO 64501-2146
EPA ID:	MOD086050093
Mailing address:	CORBY BLDG ST JOSEPH, MO 64501
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

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

FAMILY GUIDANCE CENTER (Continued) **1007105744**

Violation Status: No violations found

D50
West
1/8-1/4
0.234 mi.
1236 ft.

Relative:
Lower

Actual:
831 ft.

WECKERLE'S GROCERY **US BROWNFIELDS** **1014949609**
318-324 SOUTH FOURTH STREET **N/A**
ST. JOSEPH, MO 64501

Site 6 of 6 in cluster D

US BROWNFIELDS:

Property Name:	WECKERLE'S GROCERY
Recipient Name:	St. Joseph, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	Not reported
Latitude:	39.764749
Longitude:	-94.855399
HCM Label:	Address Matching-House Number
Map Scale:	100000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	14688
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99788201
Start Date:	12/31/2001 00:00:00
Ownership Entity:	Not reported
Completion Date:	12/31/2001 00:00:00
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported

WECKERLE'S GROCERY (Continued) **1014949609**

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported

WECKERLE'S GROCERY (Continued) **1014949609**

Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	316
Below Poverty Percent:	4.0%
Meidan Income:	1313
Meidan Income Number:	630
Meidan Income Percent:	2.0%
Vacant Housing Number:	209
Vacant Housing Percent:	6.0%
Unemployed Number:	75
Unemployed Percent:	16.8%

G51 **ST JOSEPH LIGHT & POWER CO** **RCRA-SQG 1015757762**
NNW **520 FRANCIS ST** **PADS MOD006966881**
1/8-1/4 **ST JOSEPH, MO 64501**
0.240 mi.
1266 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
881 ft.

RCRA-SQG:

Date form received by agency:	07/14/1980
Facility name:	ST JOSEPH LIGHT & POWER CO
Facility address:	520 FRANCIS ST ST JOSEPH, MO 64501
EPA ID:	MOD006966881
Mailing address:	FRANCIS ST ST JOSEPH, MO 64502
Contact:	EARL MYERS
Contact address:	520 FRANCIS ST ST JOSEPH, MO 64502
Contact country:	US
Contact telephone:	816-253-8888
Contact email:	Not reported
EPA Region:	07
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

ST JOSEPH LIGHT & POWER CO (Continued) **1015757762**

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: D000
. Waste name: Not Defined

Violation Status: No violations found

PADS:
- EPAID: MOD006966881
- Facility name: ST. JOSEPH LIGHT & POWER CO.
- Facility Address: 520 FRANCIS STREET/P.O. BOX 998
  ST. JOSEPH, MO 64502-0998
- Facility country: US
- Generator: Yes
- Storer: No
- Transporter: No
- Disposer: No
- Research facility: No
- Smelter: No
- Facility owner name: INVESTOR OWNED
- Contact title: Not reported
- Contact name: MCDONALD, JERRY W.
- Contact tel: (816)233-8888
- Contact extension: Not reported
- Mailing address: 520 FRANCIS STREET/P.O. BOX 998
  ST. JOSEPH, MO 64502-0998
- Mailing country: US
- Cert. title: Not reported
- Cert. name: Not reported
- Cert. date: 05/08/1991
- Date received: 06/13/1991

G52 **ST JOSEPH LIGHT & POWER CO - FRANCIS ST** **SEMS-ARCHIVE** **1000265691**
NNW **520 FRANCIS ST** **FTTS** **MOD006966881**
1/8-1/4 **ST JOSEPH, MO** **HIST FTTS**
0.240 mi.
1266 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
881 ft.

SEMS Archive:
- Site ID: 700849
- EPA ID: MOD006966881
- Cong District: 6
- FIPS Code: 29021

ST JOSEPH LIGHT & POWER CO - FRANCIS ST (Continued) **1000265691**

FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 7
Site ID: 700849
EPA ID: MOD006966881
Site Name: ST JOSEPH LIGHT & POWER CO - FRANCIS ST
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1994-07-08 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 700849
EPA ID: MOD006966881
Site Name: ST JOSEPH LIGHT & POWER CO - FRANCIS ST
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-07-01 00:00:00
Finish Date: 1980-07-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 7
Site ID: 700849
EPA ID: MOD006966881
Site Name: ST JOSEPH LIGHT & POWER CO - FRANCIS ST
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-03-01 00:00:00
Finish Date: 1985-08-21 00:00:00
Qual: L
Current Action Lead: St Perf

Region: 7
Site ID: 700849
EPA ID: MOD006966881
Site Name: ST JOSEPH LIGHT & POWER CO - FRANCIS ST
NPL: N
FF: N
OU: 0
Action Code: SI

ST JOSEPH LIGHT & POWER CO - FRANCIS ST (Continued) **1000265691**

Action Name:	SI
SEQ:	1
Start Date:	1985-03-05 00:00:00
Finish Date:	1985-08-21 00:00:00
Qual:	N
Current Action Lead:	St Perf

FTTS INSP:

Inspection Number:	19891116MO-01 9
Region:	07
Inspection Date:	11/16/89
Inspector:	STEINER
Violation occurred:	No
Investigation Type:	Specific Product Review
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	FIFRA
Facility Function:	User

HIST FTTS INSP:

Inspection Number:	19891116MO-01 9
Region:	07
Inspection Date:	Not reported
Inspector:	STEINER
Violation occurred:	No
Investigation Type:	Specific Product Review
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	FIFRA
Facility Function:	User

53
South
1/8-1/4
0.245 mi.
1295 ft.

Relative:
Lower

Actual:
833 ft.

AUTOMOTIVE BEARINGS
801 S 8TH ST
ST JOSEPH, MO 64501

RCRA NonGen / NLR **1007105130**
MOD046740296

RCRA NonGen / NLR:

Date form received by agency:	08/26/1993
Facility name:	AUTOMOTIVE BEARINGS
Facility address:	801 S 8TH ST ST JOSEPH, MO 64501-3607
EPA ID:	MOD046740296
Mailing address:	S 8TH ST ST JOSEPH, MO 64501-3607
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

AUTOMOTIVE BEARINGS (Continued) **1007105130**

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

Violation Status: No violations found

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54 **LIVESTOCK EXCHANGE BUILDING** **MO SMARS** **S121290722**
NNW **224 NORTH 7TH STREET** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.276 mi.
1455 ft.

Relative:
Higher

Actual:
901 ft.

SMARS:
SM Number: 12791
CERCLIS: Not reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: No
Federal Facilities Ownership: No
Permits Ownership: No
NPL Date: Not reported
Tank Site Identification #: Not reported
Tank Remediation #: Not reported
Registry: No
Site Code: Not reported
Other Site Code: Not reported

H55 **ST. JOSEPH CONVENTION COMMUNITY CENTER** **MO SMARS** **S118853700**
NNE **911 FREDERICK AVE.** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.276 mi.
1457 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
878 ft.

SMARS:
SM Number: 12686
CERCLIS: Not reported
Ownership: VCP
Superfund Ownership: No
Voluntary Cleanup Ownership: No
Federal Facilities Ownership: No
Permits Ownership: No
NPL Date: Not reported
Tank Site Identification #: Not reported
Tank Remediation #: Not reported

ST. JOSEPH CONVENTION COMMUNITY CENTER (Continued) **S118853700**

Registry: No
Site Code: Not reported
Other Site Code: Not reported

I56 **HPI PRODUCTS, INC - 3RD STREET** **SEMS** **1010417201**
West **313 SOUTH 3RD STREET** **MON000705794**
1/4-1/2 **ST JOSEPH, MO 64501**
0.278 mi.
1467 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
827 ft.

SEMS:
Site ID: 705794
EPA ID: MON000705794
Cong District: 6
FIPS Code: 29021
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:
Region: 7
Site ID: 705794
EPA ID: MON000705794
Site Name: HPI PRODUCTS, INC - 3RD STREET
NPL: N
FF: N
OU: 0
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 2009-11-03 00:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

Region: 7
Site ID: 705794
EPA ID: MON000705794
Site Name: HPI PRODUCTS, INC - 3RD STREET
NPL: N
FF: N
OU: 0
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 2007-03-11 00:00:00
Finish Date: 8/14/2007
Qual: Not reported
Current Action Lead: EPA Perf

Region: 7
Site ID: 705794
EPA ID: MON000705794
Site Name: HPI PRODUCTS, INC - 3RD STREET
NPL: N
FF: N

HPI PRODUCTS, INC - 3RD STREET (Continued) **1010417201**

OU:	0
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	2007-10-22 00:00:00
Finish Date:	Not reported
Qual:	S
Current Action Lead:	EPA Ovrsght

F57 **IMPERIAL SUPER GAS INC** **MO LUST** **U003757214**
SSW **811 S 6TH ST** **MO UST** **N/A**
1/4-1/2 **ST JOSEPH, MO 64501** **MO NPDES**
0.278 mi.
1467 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
823 ft.

LUST:

Facility ID:	ST0019161
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	04/05/2000
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	05/15/2000
Date Cleanup Finished:	Not reported
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	Yes
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R006761
Rank:	65
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	34
RBCA NFA:	No
Project Manager:	KK
Next Correspondence/Update With Fac:	09/20/2017
Date Added:	04/12/2000
Date Record Edited:	09/29/2017
Person Adding Or Editing Record:	LUTHER, L
Facility Sent To State Archive:	No
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	soil contamination found during closure of tanks, awaiting cls rpt. 4-12-00 vg app wp for exc of up to 500 yds soil. 7-7-00 vg rev CLS rpt, soil cont remains in former tank pit, exc of impacted soil has been approved. Awaiting report on exc. 8-2-00 vg rev CAR, 427 yds soil removed, some wall samples > cu, app rec for SA to delineate extent of contamination remaining. 8-24-00 vg app wp for GWA. 9-27-00 pstif app $ for GWA (but payment will be on hold until funds are available.) soil sample & gw samples collected at NW property line greatly exceeded cleanup --

IMPERIAL SUPER GAS INC (Continued) **U003757214**

now we will need to go off-site in all directions except south. 4/30/2001 TH rev'd SA - soil & GW cont. present on & off site. Req'd CAP. JS 12/8/2001 sent letter requesting status update. JS 5/3/2002 App'd wp for 1 yr interim GWM during development of a more aggressive CAP. JS 5/23/2002 Rec'd call from Matt Steinhauser w/Enviro-Co. Substantial amounts of FP observed in wells MW-2, MW-8 and MW-9. Told him to call the Spill Line and initiate FPR. Submitting a wp not necessary, but status reports should be submitted. JS 7/18/2002 Rec'd wp for FPR using passive recovery canisters. App'd plan & req FPR report. JS 10/31/02 Rev'd 1st & 2nd GWMR. FP in 4 MWs. Req'd next GWMR. JS 3/28/03 Rev'd 3rd gwmr & FPR rpt. Cont stable or increasing, large qtys of FP have been removed. Req'd next FPR rpt & submittal of CAP w/final gwmr. JS 3/6/04 Rev'd 4th gwmr & CAP for exc & HVE. Cont still relatively stable. CAP reasonable, but will hold app'l to give RP option to choose RBCA. Sent ltr suggesting RBCA. JS 7/15/04 App'd wp for 3 SB, 1 MW & 1 geotech boring & to conduct RA (FPR will continue). Req'd RA. JS 04/14/06 Reduced freq. of sampling in MWs 4, 10, 14 & 15 to quarterly.,MWs 8, 9 to bi-monthly and increased (or auto) in MW-2. - RS 5/24/06:HM;Revd T-1 & 2 report of 2/2/06. Recom sampling soil and GW for PAHs, FP rec and GW monit, collection of soil samples for vol water content. 06/20/06 - Approved work plan for 6 months of HVE (12 events) from up to 4 wells and 2 quarters of GW monitoring of 4 perimeter wells. - LL 7/24/07 RDS- additional comments on 02-02-06: EC Tier ra: smear zone ~ 10.72 bgs. This could be due to river water table fluctuations and/or to hydraulic gradient differentials drawing water vertically to the sands and gravel beneath. The Groundwater Gradient Map (Figure 5) shows an unusual groundwater gradient pattern, not one that would be expected to be in a typical alluvial aquifer. The soil and groundwater impact maps (Figures 7 & 8) indicate the plume is beneath 6th street and is approaching Norman Tire and Vic s Archery. Significant free product has been observed in MW-2, MW-8, WM-9, and MW-16. MW-2 is not stable at up to 6 of free product. The free product plume is not stable. The current owner of the property is willing to file an AUL with the Recorder of Deeds that restricts the use of groundwater. The waterline depicted on the site maps is within the free product plume. VWC and FOC data appear to be elevated. 12/6/06 EC Free Product Removal Report: MW-2 had 2.00 feet of free product, MW-8 had 0.55 feet of free product, and MW-9 had 0.40 feet of free product. A vacuum truck was mobilized to the site and extracted free product and water from MW-2, MW-8, and MW-9. As high a vacuum as possible was applied without collapsing the well screens, for a minimum of 1.5 hours per well. Generally, as the events continued, the thickness of the NAPLs in the wells decreased. This may have altered the structure and permeability of the site s silty-loamy soils in such a way as to retard free product recharge. The Missouri River had fallen over 7 feet from September to October 28, 2006and may have had effects on free product recovery, COC immobilization within the smear zone, and upon plume

IMPERIAL SUPER GAS INC (Continued) **U003757214**

stability determination. A groundwater sampling event was conducted on October 27, 2006, on MW-4, MW-10, MW-14, and MW-15. One-half inch of free product was found in MW-4. MW-10, MW-14, and MW-15 had not COCs above detection levels and EC concluded that off-site migration is not occurring. TPH-ORO was detected at 1.6 ppm in MW-10 and may indicate the plume is still migrating. 6/10/08 RDS- reviewed FPR report and response letter. Requested status of abandoned tank closure discovered during sc. EC wants to halt FPR on MW-4 (oil); requested statement of impracticability first. EC propsed 6 more hi-vac extraction events- approved. TPH-ORO migrating offsite to W; requested contingency plan to reduce migration. SSTLs too high due to high gwt and capillary fringe (VWC elevated); requested consideration of low gwt evaluations (soil survey average VWC); EC modified VWC & FOC but still too high; approved with proviso that more accurate data should be used if residential conditions will exist at site. Waterlines are cast iron with lead joints (should be minimal risk even though sewer and waterlines lay at the average gwt depth). Need to make sure the AUL includes and exclusion for residential dwellings. EC did not use FP numbers to calculate RCs; requested RCs be recalculated including such numbers. 5/14/09 - JH - Review RtoC and FPR report. RtoC adequately addresses RA comments except for revision of GW SSTLs using updated porosity, bulk density, and FOC used to revise soil SSTLs in RtoC. Request RMP with quarterly GWM, revised SSTLs, and evaluation of FP recharge w/GW elevation and FP thickness within 90 days. 12/07/09-JJR: rev'd work plan for the proposed development of the Risk Management Plan. The department approves the development of a risk management plan at the above referenced site. Several points still remain to which Enviro-Co. needs to respond, regarding the department s letter dated July 22, 2009. Please see the enclosed letter from the department and respond accordingly. 05/20/10-JJR: The data contained within the report indicate site specific target levels (SSTL) have been exceeded by representative concentrations of applicable chemicals of concentration, in regard to the following complete exposure pathways: Future; Onsite Non-Residential - Dermal Contact from Groundwater, Ingestion of Groundwater, Soil Source to Groundwater and Groundwater Source Future Offsite Non-Residential - Ingestion of Groundwater, Soil Source to Groundwater and Groundwater Source Future Onsite Construction Worker - Dermal Contact from Groundwater Enviro-Co. states, that since SSTLs have been exceeded upon the completion of the Tier II evaluation, the responsible party has the choice to perform risk management to achieve Tier II SSTLs or perform a Tier III evaluation and the department concurs. The department agrees with Enviro-Co., that if a deed restriction or restrictive covenant can not be put into place to limit the activity use relating to the exposure pathways where the SSTLs are exceeded, other active remedial methods will need to be evaluated. Enviro-Co. also recommends: further groundwater monitoring is needed to define plume stability and to further characterize the

IMPERIAL SUPER GAS INC (Continued) **U003757214**

overall groundwater at the site free product recovery by hi-vac extraction should continue on the agreed bi-weekly schedule. The department concurs. 12-27-12-VH-Reviewed change of consultants and wp. Dept. recommends conducting an evaluation to determine appropriate method of free product recovery, approved WP to sample GWM wells that do not contain FP and update the T2 RA. 04/01-13 - JB - Reviewed GW sampling/FP recovery report, MRBCA RA assumptions letter, and a MRBCA RA update. FP was observed in MW-4 and MW-16, asked for new FP sample or to use default effective solubility parameters, revised RA using new FP sample or default effective solubility, approved 2 FP recovery events then a FP recovery plan, approved submittal of RC, asked about remaining UST found during SC activities (see Enviro-Co letter dated 01/20/09). Next correspondance in 60 days. 09/04/13 - JB - Reviewed response letter and WP. Letter indicated effective solubility would be used for future risk from MWs with FP, water samples would not be filtered, PAHs would remain analyzed COCs, TPH-ORO will continue to be monitoried in MW-15, and an RC for restricting GW use would be submitted agreed to these items. Letter indicated no additional tank is known on the property, therefore I requested additional delineation of "oily sludge" in MW-4 as well as a evaluation of source and how it will be removed. WP was for an HVE event on MWs 2,8,and 9. Approved with following comments - Use some method to evaluate vapors if PID goes out of range, if FP does not separate from oil in truck tank collect a sample to evaluate effectiveness of removal, evaluate water lines for possibility of impact, said 4 monthly monitoring events may not be enough to evaluate if FP has been removed to extent practicable. Next report in 60 days. 01/07/14 - JB - Reviewed FP recovery report and WP for additional FP delineation. Report indicated 429 gallons of water was removed with 225 pounds of hydrocarbons removed. Recommend that consultant use 105 g/mol for gasoline and 230 g/mol for diesel releases in future calculations. FP returned to MWs 2,4,8,9, and 16 ten days after FP recovery event and was manually bailed or pumped. WP indicates additional delineation of FP is needed, agreed, will install min. of 4 borings around MW-4, and borings N, S, NW, and SW of MW-16. Approved WP with caveats that SBs and MWs be installed in accordance with MRBCA and recommendation that all proposed SBs be installed as MWs. Next report in 90 days. 04/29/14 - JB - Reviewed LNAPL delineation report and work plan. Requested a work plan for a monitoirng well in the area of GB-8 as it contains the highest soil concentration of benzene recorded to date (107 mg/kg) and no MW exists within 30 feet of this boring. Also requested a reevaluation of risk assessment due to this new soil data being collected. Requested that all future groundwater analyses meet the MCLs due to the complete domestic use pathway. Stated that additional MWs will be required east of MW12 (none currently exist) if COC concentrations remain above MCLs. Report indicated measurable LNAPL existed in MW2, 4, 8, 9, and 16 while sheen observed in MW1, 5, and 18. WP proposed gauging wells

IMPERIAL SUPER GAS INC (Continued) **U003757214**

one additonal time prior to preparing a CAP for the site. Reminded that bailing is an interim measure and recommended that ITRC guidance be reviewed when selecting remedial technology. WP for monitoring well in 60 days, CAP in 90 days. 05/06/14 - JB - Reviewed LNAPL gauging event. LNAPL present in MW-2, MW-4, MW-8, MW-9, MW-18, and MW-20. Report states that continued manual LNAPL removal not likely to achieve asymptotic conditions or recovery to the extent practicable. 09/26/14 - JB - Reviewed CAP and WP for manual LNAPL recovery. CAP had several deficiencies and therefore requested a revised CAP following the ITRC guidance on LNAPL recovery including developing a SCM, evaluating technologies in respect to multiple LNAPL types and the geology/hydrogeology of the site, spacing of wells, etc. Approved a work plan for manual LNAPL removal (bailing) for 3 months as an interim measure. Next report in 90 days. 03/25/15 - JB - Reviewed FPR report and LCSM/LNAPL Remedial Technology report. FP appears to continue to be observed in multiple MWs at the site (consistently in MWs-8, 9, and 18). Based on LCSM/LNAPL report agreed that additional defining of the LNAPL plume is needed and requested a WP to do so. Did not agree that LNAPL is not mobile, requested cross-sections following additional delineation activities, requested review of all applicable technologies per Table 6-1 of ITRC document, also requested any technology be evaluated based on the types of LNAPL present at the site. Next report in 60 days with continued FP recovery per regulations. 07/22/15 - JB - Reviewed WP for UVOST/Well Installation/LSCM development. Generally agreed that UVOST and additional wells are needed at the site. However, prior to approving WP need additional information. 10/26/15 - JB - Reviewed FPR. FP appears to be observed in MW-2, MW-4, MW-8, MW-9, MW-16, MW-18, and MW-20. Agreed that LCSM should be completed and requested that the LCSM along with results of UVOST investigation be submitted in 60 days. 04/21/16 - JB - Reviewed UVOST/LCSM document and FP gauging document. Appears that additional delineation is needed for soil and groundwater based on soil and groundwater sampling. Also identified several data gaps based on incorrect sampling locations in soil borings. FP (sheen or measurable thickness) reported in MW-1,3,4,8,9,16,20,26, and 27 in LCSM document, only measureable thicknesses in MW-2,4,8,9, and 18 in October gauging event. Forwarded LCSM and UVOST investigation to SL for review and will finalize letter for both reports once comments are received. 05/27/16 - JB - Also reviewed and approved WP for GWM and FP gauging finished review of documents above and drafted letter. Next WP in 60 days. 10/03/16 - JB- Reviewed WP for monitoring well installation. Approved with modifications. Next report requested in 90 days. 12/09/16 - JB - Reviewed revised WP. FP could not be completely removed from multiple wells in October. Approved WP for HVE and follow up monitoring. Additional wells were proposed in addition to those proposed in previous sampling plan. Approved the installation of these additional wells. Next report in 90 days. 03/07/17 - JB - Reviewed FP gauging/removal report, HVE report, and WP for HVDPE. FP continues to be present in

IMPERIAL SUPER GAS INC (Continued) **U003757214**

MW-4, MW-8, MW-9, MW-18, and MW-27. HVE report indicates that approximately 300 pounds of hydrocarbons were removed over 8 hours. Approved WP for HVDPE pilot test with request to be contacted prior to the event and that additional wells be included in gauging for drawdown/ROI. Next report in 90 days. 07/21/17 - JB - Reviewed groundwater monitoring well installation and sampling report. Soil data not analyzed for all appropriate COCs additionally no soil sampling conducted west of MW-28 requested additional sampling. Groundwater not delineated east of MW-11 or MW-12 or west of MW-10, requested work plan for additional MW installation. FP was present in MW-1 through MW-5, MW-8, MW-9, MW-16, MW-18, MW-22, and MW-27. Requested results of HVDPE event in 60 days along with WP to continue delineation of soil and GW contamination.

UST:

Facility ID:	ST0019161
Region:	KC
Easting:	341308.5
Northing:	4402713.51
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/27/2013
Lat/Long:	39.7599775 / -94.853103
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW09162
Owner Name:	IMPERIAL SUPER GAS, INC
Owner Address:	811 S 6TH STREET
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2321475
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	1996-10-01 00:00:00
Date Record Added:	1996-12-02 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	N$ATKIG

Tank ID:	14
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported

IMPERIAL SUPER GAS INC (Continued) **U003757214**

Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	12/31/1997	
Date Tank Permanently Closed/ Removed:	04/10/2000	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	09/13/2000	
Date Record Edited:	09/20/2000	
Person Adding/Editing Record:	PURVIS, K	
Date Of NFA Letter:	Not reported	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	04/06/2000	
Date Of Aprroval Letter:	2000-04-08 00:00:00	
Firm Closing Tank:	Enviro-Co	
Date Closure Report Received:	2000-07-03 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	site has active LUST. JS	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35742
Tank PK:	35744
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1997-12-31 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW09162
Owner Name:	IMPERIAL SUPER GAS, INC
Owner Address:	811 S 6TH STREET
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2321475
Mail Was Not Deliverable:	No
Is Owner Active?:	No

IMPERIAL SUPER GAS INC (Continued) **U003757214**

Date Registration Received:	1996-10-01 00:00:00
Date Record Added:	1996-12-02 00:00:00
Date Record Edited:	Not reported
Name of Person Editing Record:	N$ATKIG

Tank ID:	15
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/31/1997
Date Tank Permanently Closed/ Removed:	04/10/2000
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	09/13/2000
Date Record Edited:	09/20/2000
Person Adding/Editing Record:	PURVIS, K
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/06/2000
Date Of Aprroval Letter:	2000-04-08 00:00:00
Firm Closing Tank:	Enviro-Co
Date Closure Report Received:	2000-07-03 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	site has active LUST. JS

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35743
Tank PK:	35745
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1997-12-31 00:00:00

IMPERIAL SUPER GAS INC (Continued) **U003757214**

Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019161
Tank Id:	14
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0019161
Tank Id:	15
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

NPDES:

Permit Number:	MOG940232
Permit Status:	Effective
SIC:	1799
SIC Description:	SPECIAL TRADE CONTRACTORS
Issue Date:	04/25/2017
Effective Date:	05/01/2017
Category Description:	Not reported
Treatment Type Description:	Sand/Rock Filter

IMPERIAL SUPER GAS INC (Continued) **U003757214**

Facility Telephone:	Not reported
Owner Name:	CALCLEAN INC.
Owner Address:	1790 N CASE ST
Owner Address 2:	Not reported
Owner City:	ORANGE
Owner State:	CA
Owner Zip:	92865
Permit Type 100:	Not reported
Major 10:	Not reported
Region 10:	Not reported
Issuing Authority 10:	Not reported
Permit Action 100:	Not reported
Date Notification 25:	Not reported
Region Decode:	Not reported
Iss Auth Decode:	Not reported

J58 **ST. JOSEPH FMGP #3** **MO SMARS** **S112443880**
SSW **802 S. 5TH ST. (SOUTH 6TH & LAFAYETTE)** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.278 mi.
1467 ft. **Site 1 of 5 in cluster J**

Relative:
Lower

Actual:
817 ft.

SMARS:

SM Number:	10150
CERCLIS:	MOD985795897
Ownership:	Superfund
Superfund Ownership:	Yes
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	8799
Other Site Code:	Not reported

J59 **ST. JOSEPH FMGP #4** **EDR MGP** **1012008724**
SSW **SW CORNER OF PATEE ST AND S 5TH ST** **N/A**
1/4-1/2 **ST JOSEPH, MO 64501**
0.281 mi.
1485 ft. **Site 2 of 5 in cluster J**

Relative:
Lower

Actual:
817 ft.

Manufactured Gas Plants:
No additional information available

I60
West
1/4-1/2
0.302 mi.
1597 ft.

MCCORMICK BARRON BUILDING
310 SOUTH 3RD STREET
ST. JOSEPH, MO 64501

US BROWNFIELDS **1014754434**
N/A

Site 2 of 3 in cluster I

Relative:
Lower

Actual:
827 ft.

US BROWNFIELDS:

Property Name:	MCCORMICK BARRON BUILDING
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-073.000
Parcel size:	.51
Latitude:	39.764
Longitude:	-94.857
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117721
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5000
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	11/17/2009 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Seren Properties
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.51
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	5-story building currently used as fstorage for Foutch Bros LLC, has contianed residences, grocery and a wholesale seed processing facility until 1965.
Below Poverty Number:	182
Below Poverty Percent:	4.7%
Meidan Income:	598
Meidan Income Number:	397
Meidan Income Percent:	2.1%
Vacant Housing Number:	156
Vacant Housing Percent:	5.4%
Unemployed Number:	33
Unemployed Percent:	25.7%
Property Name:	MCCORMICK BARRON BUILDING
Recipient Name:	R7 TBA (STAG Funded)
Grant Type:	TBA
Property Number:	06-3.0-08-003-002-073.000
Parcel size:	.51
Latitude:	39.764
Longitude:	-94.857
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117721
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	17860
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	02/18/2010 00:00:00
Ownership Entity:	Private
Completion Date:	04/21/2010 00:00:00
Current Owner:	Seren Properties
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.51
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	5-story building currently used as fstorage for Foutch Bros LLC, has contianed residences, grocery and a wholesale seed processing facility until 1965.
Below Poverty Number:	182
Below Poverty Percent:	4.7%
Meidan Income:	598
Meidan Income Number:	397
Meidan Income Percent:	2.1%
Vacant Housing Number:	156
Vacant Housing Percent:	5.4%
Unemployed Number:	33
Unemployed Percent:	25.7%
Property Name:	MCCORMICK BARRON BUILDING
Recipient Name:	R7 TBA (STAG Funded)

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Grant Type:	TBA
Property Number:	06-3.0-08-003-002-073.000
Parcel size:	.51
Latitude:	39.764
Longitude:	-94.857
HCM Label:	GPS (Pseudo Range) Precise Position
Map Scale:	Not reported
Point of Reference:	Other Point
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	117721
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	60745
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	n/a
Start Date:	08/15/2010 00:00:00
Ownership Entity:	Private
Completion Date:	11/30/2010 00:00:00
Current Owner:	Seren Properties
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	.51
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported

MCCORMICK BARRON BUILDING (Continued) **1014754434**

Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	5-story building currently used as fstorage for Foutch Bros LLC, has contianed residences, grocery and a wholesale seed processing facility until 1965.
Below Poverty Number:	182
Below Poverty Percent:	4.7%
Meidan Income:	598
Meidan Income Number:	397
Meidan Income Percent:	2.1%
Vacant Housing Number:	156
Vacant Housing Percent:	5.4%
Unemployed Number:	33
Unemployed Percent:	25.7%

K61 **ADVANTAGE METALS RECYCLING, LLC ST. JOSEPH YARD** **MO AUL** **S112442265**
SW **750 SOUTH 4TH STREET** **MO VCP** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501** **MO SMARS**
0.309 mi.
1631 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
811 ft.

AUL:

Northing:	4402622.929
Easting:	341052.002
Activity Use:	Restrictive Covenant
Operable Unit:	Advantage Metals Recycling, LLC St. Joseph Yard

VCP:

Northing:	4402622.929
Easting:	341052.002
Facility Status:	Active/Investigation
Activity Use:	Restrictive Covenant
Manager:	Christine O'Keefe
Cert. of completion issued:	Not reported
Application Received:	1/13/2010
State Funded:	Not reported
Federal Funded:	Not reported
Acreage:	8.26
Operable Unit:	Advantage Metals Recycling, LLC St. Joseph Yard
Site Description:	The property was acquired by Advantage Metals Recycling, LLC (AMR) in July of 2008. The site was formerly operated by American Compressed Steel, Inc. and was previously known as the Missouri Iron & Metal Yard. Portions of the site have historically been operated for metal recycling purposes since at least the late 1800s. Other portions of the site have been utilized as a filling station, railroad fueling area, warehouses, seed lots, and residential dwellings. The former filling station area included two gasoline underground storage tanks (USTs) that were removed in the late 1980s and early 1990s. Environmental Site Assessments (ESA) revealed metals, polycyclic

ADVANTAGE METALS RECYCLING, LLC ST. JOSEPH YARD (Continued) **S112442265**

aromatic hydrocarbon (PAH) and polychlorinated biphenyl (PCB) contamination in soil and arsenic and PAHs in groundwater.

Contaminant: Arsenic,PAHs,Pesticides

SMARS:

SM Number:	12070
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

I62 **DOWNTOWN FURNITURE EMPORIUM** **MO VCP** **S112442573**
WNW **302 S. 3RD STREET** **MO SMARS** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.310 mi.
1638 ft. **Site 3 of 3 in cluster I**

Relative:
Lower

Actual:
830 ft.

VCP:

Northing:	4403296.733
Easting:	340963.363
Facility Status:	Cert. of Completion Issued
Activity Use:	Not reported
Manager:	Jennifer Surber
Cert. of completion issued:	3/26/2010
Application Received:	2/20/2007
State Funded:	Not reported
Federal Funded:	Not reported
Acreage:	.5
Operable Unit:	Downtown Furniture Emporium
Site Description:	This property is on the National Registry for Historic Places. The site building is believed to have been built between 1870 and 1890. Originally, it was occupied by the Clayton Paper Company. Since 1999 it has been used as a furniture store. In June 2006, a water main adjacent to the building burst and flooded the basement. The flood waters contained petroleum, which was found to come from a previously unknown 1,000 gallon heating oil underground storage tank (UST) in a concrete vault beneath the building s loading dock. The building's basement was cleaned and the floors were capped with concrete and encapsulated with a sealant to prevent residual vapor migration. The UST was removed from under the loading dock along with contaminated soil and debris, and then the UST vault was capped with concrete. Site Characterization was conducted outside the building to determine the extent of the release outside the building. A Risk Assessment concluded that contaminant levels in soil and groundwater did not exceed the target levels for residential use, except for one monitoring well with groundwater that exceeded drinking water standards.
Contaminant:	Petroleum - misc

DOWNTOWN FURNITURE EMPORIUM (Continued) **S112442573**

SMARS:

SM Number:	11752
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

H63 **FALKNER PLUMBING** **MO SMARS** **S116753913**
NNE **901 JULES ST** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.313 mi.
1653 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
891 ft.

SMARS:

SM Number:	12522
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

J64 **ST. JOSEPH FMGP #3** **EDR MGP** **1008407839**
SSW **802 S. 5TH ST. (SOUTH 6TH AND LAFAYETTE)** **N/A**
1/4-1/2 **ST. JOSEPH, MO 65401**
0.316 mi.
1668 ft. **Site 3 of 5 in cluster J**

Relative:
Lower

Actual:
814 ft.

Manufactured Gas Plants:
No additional information available

J65 **ST. JOSEPH FMGP #4** **MO SMARS** **S112443881**
SSW **802 S. 5TH ST.** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.316 mi.
1668 ft. **Site 4 of 5 in cluster J**

Relative:
Lower

Actual:
814 ft.

SMARS:

SM Number:	10378
CERCLIS:	Not reported
Ownership:	Superfund
Superfund Ownership:	Yes
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

J66 **BROONER & ASSOCIATES** **MO SMARS** **S112442393**
SSW **802 S. 5TH STREET** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.316 mi.
1668 ft. **Site 5 of 5 in cluster J**

Relative:
Lower

Actual:
814 ft.

SMARS:

SM Number:	10327
CERCLIS:	Not reported
Ownership:	Superfund
Superfund Ownership:	Yes
Voluntary Cleanup Ownership:	No
Federal Facilities Ownership:	No
Permits Ownership:	Yes
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported
Other Site Code:	Not reported

K67 **UNION PACIFIC RAILROAD (UPRR)** **US BROWNFIELDS** **1014949559**
SW **SOUTHEAST CORNER OF 4TH AND PATEE STREET** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.320 mi.
1687 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
811 ft.

US BROWNFIELDS:

Property Name:	UNION PACIFIC RAILROAD (UPRR)
Recipient Name:	St. Joseph, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	Not reported
Latitude:	39.76008
Longitude:	-94.855379
HCM Label:	Not reported
Map Scale:	Not reported

UNION PACIFIC RAILROAD (UPRR) (Continued) **1014949559**

Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	14690
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99788201
Start Date:	06/30/2002 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/30/2002 00:00:00
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	N
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported

UNION PACIFIC RAILROAD (UPRR) (Continued) **1014949559**

Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported

UNION PACIFIC RAILROAD (UPRR) (Continued) **1014949559**

Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	206
Below Poverty Percent:	3.1%
Meidan Income:	588
Meidan Income Number:	354
Meidan Income Percent:	1.8%
Vacant Housing Number:	95
Vacant Housing Percent:	6.6%
Unemployed Number:	45
Unemployed Percent:	14.0%

---

68 **SOUTHWESTERN BELL TELEPHONE CO** **MO LUST** **1000410585**
NNE **320 N 10TH** **MO UST** **MOD073055386**
1/4-1/2 **ST JOSEPH, MO 64501** **RCRA NonGen / NLR**
0.340 mi.
1795 ft.

Relative:
Higher

Actual:
894 ft.

LUST:

Facility ID:	ST0002617
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	940106-1016-NRB
Release Date:	01/06/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/06/1994
Date Cleanup Finished:	04/03/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004502
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	02/23/1998
Person Adding Or Editing Record:	N$GARRV1
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	09-27-94 - CLOSED, ALL INFORMATION PROVIDED.

UST:

Facility ID:	ST0002617
Region:	KC

SOUTHWESTERN BELL TELEPHONE CO (Continued) **1000410585**

Easting:	341675.38
Northing:	4403713.09
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/27/2013
Lat/Long:	39.7681931 / -94.848259
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW04700
Owner Name:	SOUTHWESTERN BELL TELEPHONE DBA ATT SERS INC
Owner Address:	3 BELL PLZA/308 S AKARD/RM 1700
Owner City,St,Zip:	DALLAS, TX 75202 5399
Owner County Code:	59
Owner Phone:	5669347
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2010-11-10 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1974
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/30/2000
Date Tank Permanently Closed/ Removed:	03/15/2001
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/28/2013
Person Adding/Editing Record:	HESS, JEREMY
Date Of NFA Letter:	10/10/2001
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/07/2001
Date Of Aprroval Letter:	2001-02-13 00:00:00
Firm Closing Tank:	J-K Petroleum

SOUTHWESTERN BELL TELEPHONE CO (Continued) **1000410585**

Date Closure Report Received: 2001-05-23 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 6/7/2001 3 items needing response within 60 days. Requested additional sample. JS 8/24/2001 1 item still needing response within 30 days. JS 9/28/2001 NFA letter issued. JS

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 6454
Tank PK: 6454
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2000-12-30 00:00:00
Pipe Installation Date: 1994-01-01 00:00:00
Pipe System: 0
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:
Facility Id: ST0002617
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

RCRA NonGen / NLR:
Date form received by agency: 09/13/1988
Facility name: SOUTHWESTERN BELL TELEPHONE CO
Facility address: 320 N 10TH
ST JOSEPH, MO 64501
EPA ID: MOD073055386
Mailing address: OLIVE RM 1614

SOUTHWESTERN BELL TELEPHONE CO (Continued) **1000410585**

ST LOUIS, MO 63101
Contact: ANN BIELLER
Contact address: 915 OLIVE RM 1614
ST LOUIS, MO 63101
Contact country: US
Contact telephone: 314-247-7332
Contact email: Not reported
EPA Region: 07
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

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: D000
. Waste name: Not Defined

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: U151
. Waste name: MERCURY

Violation Status: No violations found

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69 SSW 1/4-1/2 0.340 mi. 1796 ft.

ST JOSEPH LIGHT & POWER CO - OLIVE ST **SEMS-ARCHIVE** **1003876991**
S 5TH ST & OLIVE ST **MOD981719636**
ST JOSEPH, MO 64501

Relative: Lower

Actual: 814 ft.

SEMS Archive:
Site ID: 702078
EPA ID: MOD981719636
Cong District: 6
FIPS Code: 29021
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 7
Site ID: 702078
EPA ID: MOD981719636
Site Name: ST JOSEPH LIGHT & POWER CO - OLIVE ST

ST JOSEPH LIGHT & POWER CO - OLIVE ST (Continued) **1003876991**

NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-03-09 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	7
Site ID:	702078
EPA ID:	MOD981719636
Site Name:	ST JOSEPH LIGHT & POWER CO - OLIVE ST
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1987-10-20 00:00:00
Finish Date:	1987-11-09 00:00:00
Qual:	L
Current Action Lead:	EPA Perf

Region:	7
Site ID:	702078
EPA ID:	MOD981719636
Site Name:	ST JOSEPH LIGHT & POWER CO - OLIVE ST
NPL:	N
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1988-06-28 00:00:00
Finish Date:	1989-03-09 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	7
Site ID:	702078
EPA ID:	MOD981719636
Site Name:	ST JOSEPH LIGHT & POWER CO - OLIVE ST
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-03-01 00:00:00
Finish Date:	1986-03-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

70
SSE
1/4-1/2
0.345 mi.
1824 ft.

CRISWELL PETROLEUM PROD, CO
916 S 9TH
ST JOSEPH, MO 64503

MO LUST **U001161159**
MO UST **N/A**

Relative:
Lower

Actual:
834 ft.

LUST:

Facility ID:	ST0005490
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	981020-1254-DLM
Release Date:	04/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	04/27/1993
Date Cleanup Finished:	Not reported
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	Yes
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003924
Rank:	47
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	529
RBCA NFA:	No
Project Manager:	AS
Next Correspondence/Update With Fac:	04/24/2018
Date Added:	06/30/1995
Date Record Edited:	02/23/2016
Person Adding Or Editing Record:	SCHULTZ, ABBY
Facility Sent To State Archive:	No
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	10-02-98 PSTIF approved workplan for removal of usts. awaiting closure report. 10-19-98 EER call on product discovered in tank pit during closure. 08-27-01 Issue NOV for failure to close and assess 10/31/01 MAS Responded to NOV response, requested CR and SC report with 60 days of receipt of letter. Sent certified mail. 4/5/02 MAS: Rev'd SCWP and did not approve it, but suggested MW's as all borings advanced for closure samples were hot for soil and water. 10/12/02 kk rev site assessment plan dated August 2, 2002. Approved work plan for borings and monitoring well off-site. Several things that previous PM requested when they rejected plan (April 19, 2002) were not included. Req new plan with additional information. Also reviewed a letter answering closure def. Letter addressed all closure def except for Table 4 matrix to be sealed. Req sealed Table 4 matrix. 8/28/03: TC sent letter asking for report or status update. 3/23/04 MAS: Rev'd response letter that indicated that we would receive a WP for SC by November of last year, still haven't rec'd anything. Called consultant and Marty Altman (author) is no longer with company. In letter I went through the site history and requested a plan

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

for remediation, gave MRBCA option and let them know that hiring a qualified professional may be helpful with documentation submittal to DNR and PSTIF. Requested response within 60 days otherwise NOV (already given plenty of chances). 11-06-04 ET Rec'd ltr dated 7/1/04. WC work plan is being prepared. 01/03/08 RDS- Sent letter requesting status within 45 days. 01/14/08 RDS- received 1/7/08 department letter back with the postage mark "unable to forward. I will try another address: J. Criswell, 9723 PENNSYLVANIA AVE, KANSAS CITY, MO 64114, (816) 942-9078 01/22/08 RDS- Copy of letter above sent to Martly Altman, Environmental Technologyh and Services, was returned as "unable to forward." 02/20/08 RDS - Letter faxed to Steve Johnston (FAX 480-393-4071), (573-817-2090), 1906 Grant Lane, Columbia, MO 65203, is new consultant. Owner is apparently Mr. Kim Jennings, Orange Juice, LLC. 02/22/08 RDS- Reviewed work plan dated 8/30/07. WP not accepted; need to fill data gaps to N, E & W, on and off-site buildings and utility corridor. Need more detail on collection of geotech samples. FAXed draft reply letter to him for comment and adjustment. 3/3/08 RDS- did not hear from Johnston- sent letter to owner. 5/7/08 RDS- received a call from the Larry Jones, Chief Aappraiser, Buchanan County Assessors Office ,iregarding the site status. He said the property was purchased by Kim Jennings in march-April of 2007 and is currently being used as a commercial dry storage facility. The new owner has tried to get his tax reduced claiming the site is a hazardous waste site and the property is devalued. I briefed him on the status of the site and that Steve Johnston is submitting a work plan for our review. He seemed to be satisfied. 2/3/12 PC Mailed status 1 letter. The assessors office shows that Orange Juice LLC, Kim Jennings above, still owns the site, mailing address is 2801 Angelique St, St. Joseph, 64501 - this is not the RP, but should be copied on correspondence. A review of the SofS db shows the o/o Criswell Petroleum Products Company is dissolved, for over 10 years. A google search found the Criswell Petroleum Products Company address as 2420 Frederick Avenue A, St. Joseph, 64506 - generic web site but worth trying. This facility may end up on abandoned list. 08/13/2012 - DPS - Received phone call from Mr. Steve Johnston of Toxic Discovery Consultants (573-446-2305). Mr. Johnston says he is preparing a new work plan on behalf of the current property owner and it should be submitted to MDNR soon. 02/04/2013 - DPS - Checked PSTIF database to see if there has been any follow-up regarding preparation of a work plan. PSTIF claim number is 50567. PSTIF database shows the claim was suspended on June 1, 2010, following repeated failed promises to deliver a WP/CE from Mr. Johnston during 2009-2010 on behalf of Mr. Kim Jennings. The claim has not been re-opened. An parcel search conducted on Buchanan County's GIS website shows that Orange Juice LLC / Mr. Kim Jennings is still the current property owner. Called Mr. Steve Johnston of Toxic Discovery Consultants at his new phone number (573-808-5858). He said the work plan is still in development. He has been occupied with other projects

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

and has had difficulty balancing PSTIF and DNR requests in the work plan. He said he would try to get a work plan submitted as soon as possible. Set tracking to makeanother status call in 60 days. 6/21/13 TB Reviewed file. Called Steve Johnston, Toxic Discovery Inc., consultant firm who performed previous work on the site, for status update. Steve indicated no work has been completed on the site for some time as PSTIF and his company could not find common ground on changes to be made to the work plan submitted in 2007. Site is currently being utilized as a storage facility. 7/3/13 TB Sent letter for intentions for remediation of the site to the current owner, Kim Jennings (accd to Buchanan Co. assessor's website). Sent letter to RP - James Criswell (although Criswell Petroleum Products Inc. dissovled in 2000) for status update and submittal of WP for SC/RA. 7/12/13 TB Rec'v returned letter to Kim Jennings. Left msg with Steve Johnston, previous consultant for site for updated address for Mr. Jennings. 7/23/13 TB Resent above status letters to James Criswell 310 W. 49th St., Apt 707 KC, Mo 64112 and Quintin R Osteen, Orange Juice LLC #4 Hillpine Dr St. Joseph, MO 64505 (other Orange Juice, LLC partner listed on SOS website). 8/5/13 TB Mail returned for Quintin Osteen. Remailed to 2911 Joslin Ln. St. Joseph. Remailed letter to James Criswell at 722 Walnut #113 KC, Mo. Reset tracking. 8/28/13 Mail returned from Quintin Osteen stating "Not Known, Unable to Forward". 9/20/13 TB Letter from Jim Criswell rec'd 8/30/13 stating inability to pay for remediation as he has filed bankruptcy and currently unemployed. Sent response letter to Mr. Criswell requesting Inability to Pay forms be submitted w/in 45 days. 10/24/13 TB Rec'v inability to pay documentation. Send to C & E for determination. 12/12/13 TB C & E determined Mr. James Criswell unable to pay for remediation. 1/7/14 TB Site to Abandoned Site list. Memo to file. 1/8/14 TB Sent letter to Mr. Criswell of inability to pay determination with return of supporting documentation. 2/23/2016 According to Buchanon County Assessor, the current owner of the property is still Orange Juice LLC. Current mailing address: Orange Juice LLC c/o Kim Jennings 4402 N. 29th Terrace St. Joseph MO 64506 Sent intentions letter.

UST:

Facility ID:	ST0005490
Region:	KC
Easting:	341554.918
Northing:	4402601.71
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	CON_Fortin,Joel
Date GIS Data Collected:	03/17/2014
Lat/Long:	39.758482 / -94.849247
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW00297
Owner Name:	CRISWELL PETROLEUM PRODUCTS CO INC

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Owner Address:	218 DELAWARE, SUITE #303
Owner City,St,Zip:	KANSAS CITY, MO 64105
Owner County Code:	95
Owner Phone:	2217780
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-02-01 00:00:00
Name of Person Editing Record:	NREQHW-VIETS

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/24/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/06/2004
Person Adding/Editing Record:	MASCHLER, H.
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/17/1998
Date Of Aprroval Letter:	1998-09-24 00:00:00
Firm Closing Tank:	ENVIRONMENTAL TECHNOLOGY & SERVICES
Date Closure Report Received:	2002-03-20 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	4-4000 GAL GAS, 1-10,000 GAL GAS wrote draft letter responding to CR requesting action on 12 items, site characterization plan submitted being reviewed by Mark Scott. 4/01/02 - BAS 4/26/02-site currently in remediation--MP

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13489
Tank PK:	13489

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-09-24 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW00297
Owner Name:	CRISWELL PETROLEUM PRODUCTS CO INC
Owner Address:	218 DELAWARE, SUITE #303
Owner City,St,Zip:	KANSAS CITY, MO 64105
Owner County Code:	95
Owner Phone:	2217780
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-02-01 00:00:00
Name of Person Editing Record:	NREQHW-VIETS

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/24/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/06/2004
Person Adding/Editing Record:	MASCHLER, H.
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/17/1998
Date Of Aprroval Letter:	1998-09-24 00:00:00
Firm Closing Tank:	ENVIRONMENTAL TECHNOLOGY & SERVICES
Date Closure Report Received:	2002-03-20 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	4-4000 GAL GAS, 1-10,000 GAL GAS wrote draft letter responding to CR requesting action on 12 items, site characterization plan submitted being reviewed by Mark Scott. 4/01/02 - BAS 4/26/02-site currently in remediation--MP

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13490
Tank PK:	13490
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-09-24 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW00297
Owner Name:	CRISWELL PETROLEUM PRODUCTS CO INC
Owner Address:	218 DELAWARE, SUITE #303
Owner City,St,Zip:	KANSAS CITY, MO 64105
Owner County Code:	95
Owner Phone:	2217780
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-02-01 00:00:00
Name of Person Editing Record:	NREQHW-VIETS

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Tank ID:	3	
Tank Double Wall:	0	
Tank Type:	Below Ground	
Tank Status:	**Removed**	
Meet 98 Update Requirements:	Not reported	
Date Tank Installed:	Not reported	
Tank Material:	Steel	
Code for Tank Material Manufacturer:	Not reported	
Code for Tank Installer:	Not reported	
Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	09/24/1993	
Date Tank Permanently Closed/ Removed:	Not reported	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	06/30/1995	
Date Record Edited:	12/06/2004	
Person Adding/Editing Record:	MASCHLER, H.	
Date Of NFA Letter:	Not reported	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	09/17/1998	
Date Of Aprroval Letter:	1998-09-24 00:00:00	
Firm Closing Tank:	ENVIRONMENTAL TECHNOLOGY & SERVICES	
Date Closure Report Received:	2002-03-20 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	4-4000 GAL GAS, 1-10,000 GAL GAS wrote draft letter responding to CR requesting action on 12 items, site characterization plan submitted being reviewed by Mark Scott. 4/01/02 - BAS 4/26/02-site currently in remediation--MP	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13491
Tank PK:	13491
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-09-24 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW00297
Owner Name:	CRISWELL PETROLEUM PRODUCTS CO INC
Owner Address:	218 DELAWARE, SUITE #303
Owner City,St,Zip:	KANSAS CITY, MO 64105
Owner County Code:	95
Owner Phone:	2217780
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-02-01 00:00:00
Name of Person Editing Record:	NREQHW-VIETS

Tank ID:	4
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/24/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/06/2004
Person Adding/Editing Record:	MASCHLER, H.
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/17/1998
Date Of Aprroval Letter:	1998-09-24 00:00:00
Firm Closing Tank:	ENVIRONMENTAL TECHNOLOGY & SERVICES
Date Closure Report Received:	2002-03-20 00:00:00
Registration End Date:	Not reported

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

LockOut Flag: No
Comments: 4-4000 GAL GAS, 1-10,000 GAL GAS wrote draft letter responding to CR requesting action on 12 items, site characterization plan submitted being reviewed by Mark Scott. 4/01/02 - BAS 4/26/02-site currently in remediation--MP

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 13492
Tank PK: 13492
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000
Substance: Empty
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-09-24 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW00297
Owner Name: CRISWELL PETROLEUM PRODUCTS CO INC
Owner Address: 218 DELAWARE, SUITE #303
Owner City,St,Zip: KANSAS CITY, MO 64105
Owner County Code: 95
Owner Phone: 2217780
Mail Was Not Deliverable: No
Is Owner Active?: No
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 1999-02-01 00:00:00
Name of Person Editing Record: NREQHW-VIETS

Tank ID: 5
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/24/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/06/2004
Person Adding/Editing Record:	MASCHLER, H.
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/17/1998
Date Of Aprroval Letter:	1998-09-24 00:00:00
Firm Closing Tank:	ENVIRONMENTAL TECHNOLOGY & SERVICES
Date Closure Report Received:	2002-03-20 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	4-4000 GAL GAS, 1-10,000 GAL GAS wrote draft letter responding to CR requesting action on 12 items, site characterization plan submitted being reviewed by Mark Scott. 4/01/02 - BAS 4/26/02-site currently in remediation--MP

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13493
Tank PK:	13493
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-09-24 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0005490
Tank Id:	1
Site Usage:	Not reported

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0005490
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0005490
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0005490
Tank Id:	4
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported

CRISWELL PETROLEUM PROD, CO (Continued) **U001161159**

Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0005490
Tank Id:	5
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

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71 **RONALD WOOD DBA LAKE DRIVE INC** **MO LUST U001161196**
NW **RFD 6** **MO UST N/A**
1/4-1/2 **ST JOSEPH, MO 64504**
0.348 mi.
1836 ft.

Relative:
Higher

Actual:
887 ft.

LUST:

Facility ID:	ST0005499
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	Not reported
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	09/10/1999
Date Cleanup Finished:	06/11/2002
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**2002-06-24 00:00:00**
Date Record Meets Archive Criteria:	09/05/2007
Remediation ID:	R006763
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported

RONALD WOOD DBA LAKE DRIVE INC (Continued) **U001161196**

Contractor Performing Clean Up:	115
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	04/12/2000
Date Record Edited:	06/27/2002
Person Adding Or Editing Record:	REPPER, S
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	soil and groundwater contamination discovered during phase II assessment. 4-21-00 vg app wp for exc of impacted soil. 6-1-00 PSTIF app $ for OE of up to 500 yds soil. 6-30-00 vg app req for exc of an add 300 yds impacted soil. 8-2-00 vg rev CAR, 731 yds soil exc., cont remains in west wall along road, app rec for SA to determine extent of contamination remaining. 8-23-00 vg app wp for off-site SA. 9-27-00 pstif app $ for inst of MW. 05/01/01: Approved work plan for quarterly monitoring as submitted. SB 9/11/01 kk rev gw mont report dated July 30, 2001. Gw cont below cleanup - look forward to next report. 10/02/02 kk rev gwmr dated December 10, 2001. Gw cont below cleanup levels. Look forward to next report. If cont levels stay below cleanup, closure can be granted. 2/19/02 kk rev gwmr dated 2/5/02 and a well abandonment work plan dated 2/6/02. Gw below cleanup, approved well abandonment plan. 6/11/2002:HM:Revd well aband doc of April 19, 2002. Issued NFA.

UST:

Facility ID:	ST0005499
Region:	KC
Easting:	337075.124
Northing:	4397865.01
Owner Of Geospatial Data:	Not reported
Geospatial Data Collected By:	INT_STEINBECK,Eli
Date GIS Data Collected:	08/04/2014
Lat/Long:	39.783472 / -94.735619
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW06955
Owner Name:	DELUXE TRUCK STOP LLC
Owner Address:	4500 PACKERS AVE
Owner City,St,Zip:	ST JOSEPH, MO 64504
Owner County Code:	21
Owner Phone:	2320000
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	1995-08-16 00:00:00
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-07-12 00:00:00
Name of Person Editing Record:	NREQHW-VEITS

Tank ID:	1
Tank Double Wall:	0

RONALD WOOD DBA LAKE DRIVE INC (Continued) **U001161196**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1988
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13513
Tank PK:	13513
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1988-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

RONALD WOOD DBA LAKE DRIVE INC (Continued) **U001161196**

Owner:

Owner ID:	OW06955
Owner Name:	DELUXE TRUCK STOP LLC
Owner Address:	4500 PACKERS AVE
Owner City,St,Zip:	ST JOSEPH, MO 64504
Owner County Code:	21
Owner Phone:	2320000
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	1995-08-16 00:00:00
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-07-12 00:00:00
Name of Person Editing Record:	NREQHW-VEITS

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1988
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13514

RONALD WOOD DBA LAKE DRIVE INC (Continued) **U001161196**

Tank PK:	13514
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	560
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1988-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW06955
Owner Name:	DELUXE TRUCK STOP LLC
Owner Address:	4500 PACKERS AVE
Owner City,St,Zip:	ST JOSEPH, MO 64504
Owner County Code:	21
Owner Phone:	2320000
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	1995-08-16 00:00:00
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-07-12 00:00:00
Name of Person Editing Record:	NREQHW-VEITS

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1988
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

RONALD WOOD DBA LAKE DRIVE INC (Continued) **U001161196**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13515
Tank PK:	13515
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	560
Substance:	Kerosene
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1988-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0005499
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No

RONALD WOOD DBA LAKE DRIVE INC (Continued) **U001161196**

No Excavation: No

Facility Id: ST0005499
Tank Id: 3
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005499
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

72
North
1/4-1/2
0.354 mi.
1869 ft.

HEARTLAND REGIONAL MEDICAL CENTER WEST **MO LUST** **U000284138**
801 FARAON ST **MO UST** **N/A**
ST JOSEPH, MO 64501 **MO SPILLS**
MO AIRS

Relative:
Higher

Actual:
911 ft.

LUST:
Facility ID: ST0005446
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 11/29/1990
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 11/29/1990
Date Cleanup Finished: 04/23/1991
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R002288
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

UST:

Facility ID:	ST0005446
Region:	KC
Easting:	341482.770
Northing:	4403802.44
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	CON_Fortin,Joel
Date GIS Data Collected:	03/17/2014
Lat/Long:	39.7857 / -94.8546
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW04054
Owner Name:	HEARTLAND REGIONAL MEDICAL CENTER WEST
Owner Address:	5325 FARAON STREET
Owner City,St,Zip:	ST JOSEPH, MO 64506
Owner County Code:	21
Owner Phone:	2717791
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2007-01-12 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	05/03/1991	
Date Tank Permanently Closed/ Removed:	05/03/1991	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	06/30/1995	
Date Record Edited:	10/22/1997	
Person Adding/Editing Record:	N$SESSD1	
Date Of NFA Letter:	05/03/1991	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	Not reported	
Date Of Aprroval Letter:	Not reported	
Firm Closing Tank:	Not reported	
Date Closure Report Received:	Not reported	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	Not reported	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13398
Tank PK:	13398
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	3500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1991-05-03 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW04054
Owner Name:	HEARTLAND REGIONAL MEDICAL CENTER WEST
Owner Address:	5325 FARAON STREET
Owner City,St,Zip:	ST JOSEPH, MO 64506

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Owner County Code:	21
Owner Phone:	2717791
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2007-01-12 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	05/03/1991
Date Tank Permanently Closed/ Removed:	05/03/1991
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	10/22/1997
Person Adding/Editing Record:	N$SESSD1
Date Of NFA Letter:	05/03/1991
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	13399
Tank PK:	13399
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	5600
Substance:	Diesel

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1991-05-03 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW04054
Owner Name:	HEARTLAND REGIONAL MEDICAL CENTER WEST
Owner Address:	5325 FARAON STREET
Owner City,St,Zip:	ST JOSEPH, MO 64506
Owner County Code:	21
Owner Phone:	2717791
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2007-01-12 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	10/30/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/2006
Date Tank Permanently Closed/ Removed:	07/07/2006
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Date Of NFA Letter:	09/14/2007
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	03/23/2006
Date Of Aprroval Letter:	2006-03-24 00:00:00
Firm Closing Tank:	Bellon Environmental Co.
Date Closure Report Received:	2006-11-06 00:00:00
Registration End Date:	2009-09-30 00:00:00
LockOut Flag:	No
Comments:	Reviewed closure report & now requesting (1) 1) revised site sketch to include adjacent properties, depth of all excavations and sample, the degree and direction of slope of the site and is not to scale, (2) required photographs of the pad and (3) Analytical results for BTEX. 11/28/06 BB Reviewed closure & now issuing NFA. NFA is for Tier 1, Soil Type 1, residential land use. 9/11/07 BB

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	13400
Tank PK:	13400
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2006-01-01 00:00:00
Pipe Installation Date:	1990-10-30 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW04054
Owner Name:	HEARTLAND REGIONAL MEDICAL CENTER WEST
Owner Address:	5325 FARAON STREET
Owner City,St,Zip:	ST JOSEPH, MO 64506
Owner County Code:	21
Owner Phone:	2717791
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2007-01-12 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	4
Tank Double Wall:	0
Tank Type:	Below Ground

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1976
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	I Lining SW1856
Tank Internal Protection Date:	11/23/1990
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	07/06/2006
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	08/27/1998
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	09/14/2007
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Midwest Asbestos Abatement
Date Closure Report Received:	2006-11-27 00:00:00
Registration End Date:	2009-09-30 00:00:00
LockOut Flag:	No
Comments:	Emergency generator Reviewed closure report & now requesting; (1) site sketch w/ (adjacent properties, depth of all excavations & samples, degree & direction of slope of site, UG utilities, N arrow and scale for map), (2) color photos for site closure activities, (3) to explain why RRLs were exceeded for all BTEX samples, (4) to complete sign & return closure report form, (5) to provide 3-day notice before closure activities begin and (6) submit PAHs for referenced samples. 7/9/07 BB Reviewed closure & now issuing NFA. NFA is for Tier 1, Soil Type 1, residential land use. 9/11/07 BB

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	13401
Tank PK:	13401
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1976-01-01 00:00:00

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	1998-06-15 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0005446
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0005446
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0005446
Tank Id:	3
Site Usage:	1
Risk Type:	3
Soil Type:	7
GW Flow:	13
Offsite Impact:	17
Free Product:	0
Drinking Water:	42
Closed Under:	Not reported
No Drinking Wells:	No

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0005446
Tank Id: 4
Site Usage: 1
Risk Type: 3
Soil Type: 7
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

MO SPILLS:
Facility ID: 9405250835ADC
Regional Office: KCRO
Spill Number: 9405250835ADC
Date Reported: 05/25/1994
Call Date/time: 08:35:00
Lat/Long: 39.769039 -94.8507
UTM Zone For GPS: 15
Discovery Date: 05/24/1994
Email: False
Is This A Continuous Release To Be Monitered?: False
Cause: Operator Error
Contact Name: Carl Canard
Contact Phone #: 8162717791
Contact Id: {5018C5F0-E6B6-4E72-9172-73E7FE7410A7}
Organization Name: Heartland Hospital
Organization Address1: Not reported
Organization Address2: Not reported
Organization City: St. Joseph
Organization State: MO
Organization Zip: 64501
Entity Phone #: 8162717791
Date Of Incident Search: 05/24/1994
Property Code Description: Health Care Facility
Property Sub Category: Not reported
Cause Description: Operator Error
Cause Sub Category: Other
Description: Address Matching - Other Address Matching
Job Code: Not reported
Additional Info: Spill Summary: EMPLOYEE CAUSED A RELEASE OF PRODUCT WHILE TRANSFERRING PRODUCT BETWEEN TANKS. Response Summary: FIRE DEPARTMENT RESPONDED TO APPLY BIOSOLVE AND FLUSHED SPILL TO SEWER TREATMENT

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

FACILITY. Additional Information: EMPLOYEES WERE TRANSFERRING PRODUCT FROM EMERGENCY GENERATION TANK TO BOILER FUEL TANK FOR GENERATOR TANK SYSTEM UPGRADE. SEWAGE TREATMENT FACILITY WAS CONTACTED AND IT WAS OK TO DISCHARGE THE FLUIDS FROM THIS SPILL TO THE SEWERS.

Spill Num: 9405250835ADC
Agent Code: 542
Agency Receiving Copy of Incident Report: Local - Fire
Immediate Or Delayed: I
User Name: Local - Fire

Facility ID: 9903241600ADC
Regional Office: KCRO
Spill Number: 9903241600ADC
Date Reported: 03/24/1999
Call Date/time: 16:00:00
Lat/Long: 39.769001 -94.8508
UTM Zone For GPS: 15
Discovery Date: 03/24/1999
Email: False
Is This A Continuous Release To Be Monitered?: False
Cause: Discharge/Air Emission
Contact Name: Dawn Campbell
Contact Phone #: 8162717791
Contact Id: {0D77C00E-C6EC-4CAB-83F8-26291EFFCED0}
Organization Name: Hartland Regional Medical
Organization Address1: 801 Faraon Street
Organization Address2: Not reported
Organization City: St. Joseph
Organization State: MO
Organization Zip: 64501
Entity Phone #: 8162717791
Date Of Incident Search: 03/24/1999
Property Code Description: Health Care Facility
Property Sub Category: Not reported
Cause Description: Discharge/Air Emission
Cause Sub Category: Not reported
Description: Other - Unknown
Job Code: Not reported
Additional Info: Spill Summary: CALLER REPORTS A CONTINUOUS RELEASE. Response Summary: NO CLEANUP IS POSSIBLE. Additional Information: THE AMOUNTS OF MATERIALS RELEASED ARE IN A PER DAY UNIT. THIS IS THE WEST FACILITY.

AIRS:
Facility Id: AP0000210026
Start Review Date: 04/11/2003
Completion Date: 03/23/2006
Permit No: OP
StepName: AP: Operating Permit Terminated
PermName: AOP: Intermediate Operating Permit Renewal
Program Reference Id: AP200304060
SA Description: Not reported
Locatorx: 801 Faraon St
Received Submittal Date: 04/11/2003
Permit Expires Date: Apr 10 2008
Days From Start: 4448
Days From Completion: 1077

HEARTLAND REGIONAL MEDICAL CENTER WEST (Continued) **U000284138**

Number of Days: 4448
Perm Code: AOPINTR
Cont Name: Dickneite, Jason
Consulting Firm: DON CAMPBELL
Port Cnty: Not reported
Contact Code: APDJ
FIPS Plant: 0210026
Description: Hospital-Not in operation

Facility Id: AP0000210026
Start Review Date: 05/15/1997
Completion Date: 10/13/1998
Permit No: OP
StepName: AP: Operating Permit Issued
PermName: AOP: Intermediate Operating Permit
Program Reference Id: EX0210026020
SA Description: Not reported
Locatorx: 801 Faraon St
Received Submittal Date: 05/15/1997
Permit Expires Date: Oct 13 2003
Days From Start: 6605
Days From Completion: 516
Number of Days: 6605
Perm Code: AOPINT
Cont Name: Hines, Timothy P.
Consulting Firm: Not reported
Port Cnty: Not reported
Contact Code: APTPH
FIPS Plant: 0210026
Description: Health Care

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73 **MERCURY-PATEE MARKET SPILL** **SEMS-ARCHIVE** **1010782251**
SSE **904 SOUTH 10TH STREET** **MON000705850**
1/4-1/2 **ST. JOSEPH, MO 64503**
0.365 mi.
1928 ft.

Relative:
Lower

Actual:
841 ft.

SEMS Archive:
Site ID: 705850
EPA ID: MON000705850
Cong District: 6
FIPS Code: 29021
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:
Region: 7
Site ID: 705850
EPA ID: MON000705850
Site Name: MERCURY-PATEE MARKET SPILL
NPL: N
FF: N
OU: 0
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 2008-02-12 00:00:00

MERCURY-PATEE MARKET SPILL (Continued) **1010782251**

Finish Date:	2008-05-12 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	7
Site ID:	705850
EPA ID:	MON000705850
Site Name:	MERCURY-PATEE MARKET SPILL
NPL:	N
FF:	N
OU:	0
Action Code:	PJ
Action Name:	RP EM REM
SEQ:	1
Start Date:	2008-02-12 00:00:00
Finish Date:	2008-02-14 00:00:00
Qual:	C
Current Action Lead:	EPA Ovrsght

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74 **SOUTHERN STAR CENTRAL GAS PIPELINE INC.-NORTHERN A** **MO VCP** **S120859337**
WNW **151 S 2ND ST** **MO SMARS** **N/A**
1/4-1/2 **ST. JOSEPH, MO 64501**
0.383 mi.
2020 ft.

Relative:
Lower

Actual:
838 ft.

VCP:

Northing:	4403397
Easting:	340858
Facility Status:	Cert. of Completion Issued
Activity Use:	Not reported
Manager:	Jennifer Surber
Cert. of completion issued:	11/16/2009
Application Received:	7/16/2007
State Funded:	Not reported
Federal Funded:	Not reported
Acreage:	.002
Operable Unit:	St Joseph Power Plant (Edmond Street)
Site Description:	The Southern Star Central Gas Pipeline Inc. -Northern Area Site consists of several natural gas pipeline meter or compressor stations. Until the 1980s the meters and compressors used mercury to monitor gas flow. Mercury may have been released into soil during maintenance operations at each station.
Contaminant:	Mercury

SMARS:

SM Number:	11795
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No

SOUTHERN STAR CENTRAL GAS PIPELINE INC.-NORTHERN AREA SITE (Continued) **S120859337**

Site Code: Not reported
Other Site Code: Not reported

75
SSW
1/4-1/2
0.396 mi.
2091 ft.

ST JOSEPH #3 FMGP **SEMS-ARCHIVE** **1003877138**
S 6TH ST & LAFAYETTE ST **MOD985795897**
ST JOSEPH, MO 64501

Relative:
Lower

Actual:
818 ft.

SEMS Archive:
Site ID: 702445
EPA ID: MOD985795897
Cong District: 6
FIPS Code: 29021
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 7
Site ID: 702445
EPA ID: MOD985795897
Site Name: ST JOSEPH #3 FMGP
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1992-04-17 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 702445
EPA ID: MOD985795897
Site Name: ST JOSEPH #3 FMGP
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1991-06-18 00:00:00
Finish Date: 1992-04-17 00:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 7
Site ID: 702445
EPA ID: MOD985795897
Site Name: ST JOSEPH #3 FMGP
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY

ST JOSEPH #3 FMGP (Continued) **1003877138**

SEQ:	1
Start Date:	1991-03-13 00:00:00
Finish Date:	1991-03-13 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	7
Site ID:	702445
EPA ID:	MOD985795897
Site Name:	ST JOSEPH #3 FMGP
NPL:	N
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1997-01-11 00:00:00
Finish Date:	1998-12-28 00:00:00
Qual:	N
Current Action Lead:	St Perf

76
NNW
1/4-1/2
0.409 mi.
2162 ft.

LAW ENFORCEMENT CENTER
501 FARAON ST
ST JOSEPH, MO 64501

MO LUST **U003165448**
MO UST **N/A**

Relative:
Higher

Actual:
918 ft.

LUST:

Facility ID:	ST0018825
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	39 46 12 / 94 51 18
Spill Number:	Not reported
Release Date:	Not reported
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	04/28/2006
Date Cleanup Finished:	06/11/2012
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	6
Active:	No
Date Of NFA Letter From DNR:	**2012-06-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R008037
Rank:	29
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	414
RBCA NFA:	Yes
Project Manager:	W
Next Correspondence/Update With Fac:	Not reported
Date Added:	09/14/2006
Date Record Edited:	03/06/2013
Person Adding Or Editing Record:	COON, ADAM
Facility Sent To State Archive:	No

LAW ENFORCEMENT CENTER (Continued) **U003165448**

Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 09/14/06 - Contamination remains at site after tank closure. Approved work plan for six borings with contingency for conversion to six wells and 5 more borings. A minimum of one GW sample will be collected due to the amount of release. This GW sample may not be from a permanent well. - LL 4/16/09 - JH - Review T1/2 RA. GW not encountered at depths > 100 ft bgs. Benzene conc > SSTLs. Report recommends RMP. Draft comment letter requesting 30x30 hypothetical bldg over former UST basin and recalculation of SSTLs with Soil Type 1 default values for future conditions or RC preventing future construction over the tank pit. Request revision and evaluation of GW use pathway in accordance with 6.3 w/in 90 days. 01/22/2010 - LTA reviewed response to comments letter and a Revised Tier 1/2 RA. Repsonse were adequate and no furthter response to April 2009 letter required. Had following comments for RA, 1)Although the Department accepts the overall evaluation that the groundwater use pathway is complete at the site, the full groundwater use analysis should be provided as an attachment to the risk assessment for review. Please revise the risk assessment accordingly or provide the groundwater use analysis under a separate cover. 2)The MRBCA Tier 2 Report Forms were not included in Appendix F. Please submit forms Tier 2-(1) through Tier 2-5 to the Department for review. Requested groundwater use analysis and completed Tier 2 report forms, along with the RMP within 90 days. 02/24/10 LTA rev'd work plan for soil gas sampling. The work plan outlines the scope of work and procedures proposed for the installation of four, nested, soil vapor sampling points (eight total), preparation of a risk assessment addendum report documenting installation activities and including updated Tier 1 and Tier 2 Missouri Risk-Based Corrective Action (MRBCA) forms, and two quarterly soil vapor sampling events. The soil vapor sampling points will be located within the current and future indoor inhalation of vapors exposure domain and will be utilized to provide actual vapor concentrations in soil for comparison to site-specific target levels for the applicable pathways. Approved as written. 3/19/10 JK--rev response letter; Terracon provided requested GW use analysis and Tier 2 forms; req results of soil vapor sampling in 90 days. 4/13/10 JK--rev response from terracon, they will sample soil around July 2010 and around January 2011 with the reports to follow, first one in September 2010. Agrred with schedule. 10/4/11 JK--rev SVS report; results were below SSTLs; req report of next sampling event in 90 days. 2/1/12 JK--rev SVS report; sampling event in Feb 2011 had excessive hold times; March 2011 event showed a leak in the system that exceeded protocol max of 100 microg/L; discused with Val, rejecting results and req additional sampling event during this winter months; req report in 90 days following event. 6/11/12 JK--rev SVS report; conc below target levels, discussed in whiteboard, drafted NFA, OK for residential since jail is there, no GW found at depths over 105-ft

LAW ENFORCEMENT CENTER (Continued) **U003165448**

deep, soil protective of GW; drafted NFRA. 6/15/12 Issued NFA

UST:

Facility ID:	ST0018825
Region:	KC
Easting:	341180.366
Northing:	4403798.82
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	CON_Fortin,Joel
Date GIS Data Collected:	03/17/2014
Lat/Long:	39.77 / -94.855
Lat/Long (dms):	39 46 12 / 94 51 18

Tanks:

Owner:

Owner ID:	OW08901
Owner Name:	BUCHANAN COUNTY
Owner Address:	411 JULES ST
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	2711503
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	1996-08-05 00:00:00
Date Record Added:	1996-09-03 00:00:00
Date Record Edited:	1998-05-06 00:00:00
Name of Person Editing Record:	N$HUTSF

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/01/1986
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/30/2006
Date Tank Permanently Closed/ Removed:	03/10/2006
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	09/03/1996
Date Record Edited:	03/21/2013

LAW ENFORCEMENT CENTER (Continued) **U003165448**

Person Adding/Editing Record:	VEIT, CHRIS
Date Of NFA Letter:	06/15/2012
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/09/2005
Date Of Aprroval Letter:	2005-12-13 00:00:00
Firm Closing Tank:	BUCHANAN COUNTY
Date Closure Report Received:	2006-04-28 00:00:00
Registration End Date:	2009-09-30 00:00:00
LockOut Flag:	No
Comments:	Closure report reviewed. Issued deficiency letter requesting: signature of owner on closure report, documentation of proper tank disposal, documentation of proper disposal of sludge/rinsate. Concentrations of contaminants exceed DTLs, so requested site submits workplan for site characterization. MW 6/15/06 In a phone conversation with Wil King of Terracon, item 1 of department letter concerning signature of owner and item 2 concerning proper disposal of tank were addressed. Item 3 will be addressed to Remediation team and documentation requested in Item 4 for sludge/rinsate disposal will be sent to Closure team when it becomes available. MW 6/20/06 6/13/2012 RMB. Remediation concluded, no perceived outstanding closure issues for this tank at this time. If subsequent information becomes available to indicate that contamination may be present at the site at levels which may threaten human health or the environment, the Department may require additional investigation or site characterization and/or corrective action. Closure NFA date entered, no letter composed.

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35552
Tank PK:	35554
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2006-01-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW08901
Owner Name:	BUCHANAN COUNTY
Owner Address:	411 JULES ST
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21

LAW ENFORCEMENT CENTER (Continued) **U003165448**

Owner Phone:	2711503
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	1996-08-05 00:00:00
Date Record Added:	1996-09-03 00:00:00
Date Record Edited:	1998-05-06 00:00:00
Name of Person Editing Record:	N$HUTSF

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/01/1986
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	09/03/1996
Date Record Edited:	05/21/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35553
Tank PK:	35555
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported

LAW ENFORCEMENT CENTER (Continued) **U003165448**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	3
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0018825
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0018825
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

77
ENE
1/4-1/2
0.412 mi.
2173 ft.

NORTH-BNSF
6TH AND 8TH MONTGOMERY STREET AND HIGHWAY 36
ST. JOSEPH, MO 64501

US BROWNFIELDS **1012242730**
N/A

Relative:
Higher

Actual:
918 ft.

US BROWNFIELDS:

Property Name:	NORTH-BNSF
Recipient Name:	St. Joseph, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	Not reported
Latitude:	39.76704
Longitude:	-94.844164
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	14692
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99788201
Start Date:	03/31/2003 00:00:00
Ownership Entity:	Not reported
Completion Date:	03/31/2003 00:00:00
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

NORTH-BNSF (Continued) **1012242730**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

NORTH-BNSF (Continued) **1012242730**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1578
Below Poverty Percent:	2.8%
Meidan Income:	6393
Meidan Income Number:	2573
Meidan Income Percent:	1.7%
Vacant Housing Number:	596
Vacant Housing Percent:	7.4%
Unemployed Number:	396
Unemployed Percent:	11.1%

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78 **FORMER AMOCO #244** **MO LUST U004129394**
NE **1202 JULES ST** **MO UST N/A**
1/4-1/2 **ST JOSEPH, MO 64501**
0.415 mi.
2192 ft.

Relative:
Higher

Actual:
898 ft.

LUST:

Facility ID:	ST0019352
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	39 46 6 / 94 50 43
Spill Number:	Not reported
Release Date:	10/21/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	10/21/1996
Date Cleanup Finished:	02/03/2010
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**2010-02-05 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005735
Rank:	53
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	83
RBCA NFA:	Yes

FORMER AMOCO #244 (Continued) **U004129394**

Project Manager:	M
Next Correspondence/Update With Fac:	Not reported
Date Added:	04/03/1997
Date Record Edited:	02/10/2010
Person Adding Or Editing Record:	KOON, K
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	8/5/99 JP required registration of tanks, emptying of tanks, closure of tanks and submittal of site characterization 10/16/02 MA rev PSTIF letter site is fund eligible with $10k deductible. 5/1/03 MA AGO is negociating settlement agreement with Amoco, Upon final agreement Amoco will agree to conduct a complete SC and CA. 5/2/05 MA PSTIF approved cost for the installation of three temp piezometers, collection of soil and gw samples. 5/2/04 MA PSITF approved cost to excavate contaminated soil and remove gw if encountered during USTs closure activities. 5-3-05; LJB, approved work plan that followed request from Kevin T. in letter dated 1-21-05. 8/27/05 kk rev site assessment report dated June 30, 2005. Gw cont in TP-2 and TP-3. Report recommends additional SC on site. Requested work plan for additional SC within 60 days. 12/19/05 - Approved work plan for seven borings with six wells and three quarters of GW monitoring. - LL 3/13/06 Atlantic Richfield new project manager: John Grams, Supplier Performance Manager, Delta Evironmental Consultants, Incorporated, 2240 Bluestone Drive, St Charles, MO 63303, Phone: 1-651-697-5166. KGP 7-28-06 ML Work Plan for Site Characterization and Site Assessment reviewed. Requested additional COC analysis, details of MW-10 and 11 location, deeper soil borings to determine vetical extent, and assessment of COC migration to the south. 08/17/06 ML-Received a call by John Stone informing me that DRO and ORO contamination had been conducted. This data was not found in our files but was faxed over by PSTIF. Agreed with PSTIF that DRO and ORO analysis was not necessary and wrote letter informing site. 11/29/06 MA rev response letter, WP, and GWM report. The response letter adequately address comments listed in the department’s letter. Approved WP for the installation of three off-site SBs/MWs to further delineate the extent of contamination, and to perform quarterly monitoring activities for three events to establish plume stability. The monitoring report documents the laboratory analytical results for the second and third monitoring events. Concurred with recommendations to continue monitoring plume stability. 1/22/07 MA PSTIF Approved cost for additional site characterization and risk assessment. 2/19/09 MA Approved WP to continue monitoring the trends of petroleum hydrocarbon impact in GW for one more monitoring event by collecting GW samples from existing monitoring wells. A report will be submitted. 4/2/09 MA rev a Tier 1/Tier 2 MRBCA report and a GWM report. The impact in soil and GW exceed the Tier 1 soil type 1 RBTLs for future residential use of the property. However, the RCs and the Max concentrations do not exceed the Tier 2 SSTLs for future residential use of the

FORMER AMOCO #244 (Continued) **U004129394**

property. Concurred with recommendations to conduct one additional event by collecting GW samples from all monitoring wells and perform a statistical analyses to demonstrate plume stability. Site is ready to closed and issued a NFRA letter as soon as plume stability is demonstrated. 7/31/2009 MA rev a GWM report along with the Tier 1/Tier 2 MRBCA report. Based on information submitted, the remaining impact in soil and groundwater do not exceed the Tier 2 SSTLs for future residential use of the property. The petroleum impact is confined to the site. No off-site impact was identified. The GW data indicate a stable a stable and shrinking plume. Site can be closed and issued a NFRA letter. 8/18/09 Sent a letter requesting revision to the Tier 2 RBCA report. Tier 2 SSTLs can not be used due to the location of the hypothetical structure over an excavated area. A Weighted Average can use used to determine a new RBTLs for future pathway. 2/3/2010 MA rev a response letter addressing the reasons why the Tier 2 SSTLs should stand. We agreed to use the SSTLs as clean up levels for the site. Current land use is vacant lot. Based on risk assessment, the remaining impact in soil and groundwater do not exceed the residential SSTLs. The groundwater plume is stable. Site can be closed and issued a NFRA letter. 2/5/10 Issued NFRA

UST:

Facility ID:	ST0019352
Region:	KC
Easting:	341967.294
Northing:	4403640.44
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	CON_Fortin,Joel
Date GIS Data Collected:	03/17/2014
Lat/Long:	39.76833 / -94.84528
Lat/Long (dms):	39 46 6 / 94 50 43

Tanks:

Owner:

Owner ID:	OW20648
Owner Name:	BP
Owner Address:	2240 BLUESTONE DR
Owner City,St,Zip:	ST CHARLES, MO 63303 2322
Owner County Code:	Not reported
Owner Phone:	9168114
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	2004-03-18 00:00:00
Date Record Added:	2004-03-22 00:00:00
Date Record Edited:	2004-03-22 00:00:00
Name of Person Editing Record:	NEVINS, H.

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported

FORMER AMOCO #244 (Continued) **U004129394**

Date Tank Installed:	Not reported	
Tank Material:	Steel	
Code for Tank Material Manufacturer:	Not reported	
Code for Tank Installer:	Not reported	
Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	01/01/1986	
Date Tank Permanently Closed/ Removed:	04/28/2004	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	No	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	03/19/1997	
Date Record Edited:	04/21/2010	
Person Adding/Editing Record:	BOTTOMLEY, B	
Date Of NFA Letter:	02/05/2010	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	04/14/2004	
Date Of Aprroval Letter:	2004-04-14 00:00:00	
Firm Closing Tank:	DELTA	
Date Closure Report Received:	2004-06-30 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	8-2-04--rec. CR; requested UST cleaning/disposal docs, USTs that were CIP to be recorded on the property deed, rec. signature from RS Used Oil for 1132 gallons of sludge/rinsate and stated that TCLP heavy metals should have been ran near waste oil tanks and TPH OA2 should have been ran on SP sample--MP 12-15-04--rev. response to dept.'s request to satisfy deficient closure items; response adequately addressed items 2 and 3 of the dept.'s 8-11-04 letter (items 4 and 5 did not require a response); requested that property owners (Mr. and Mrs. Gary Reynolds) have Statement of Closure be recorded on the property deed and noted that a GW investigation will be conducted by BP/Delta Environmental--MP 2/3/05-Statement of closure was received, reviewed on 4/19/05, still awaiting GW investigation from BP Amoco. Sending letter to Reynolds letting them know their part is complete. HLM 4/20/05	

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35865
Tank PK:	35867
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported

FORMER AMOCO #244 (Continued) **U004129394**

Mixture:	False
Date of Last Use:	1986-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW20648
Owner Name:	BP
Owner Address:	2240 BLUESTONE DR
Owner City,St,Zip:	ST CHARLES, MO 63303 2322
Owner County Code:	Not reported
Owner Phone:	9168114
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	2004-03-18 00:00:00
Date Record Added:	2004-03-22 00:00:00
Date Record Edited:	2004-03-22 00:00:00
Name of Person Editing Record:	NEVINS, H.

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1986
Date Tank Permanently Closed/ Removed:	04/28/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/19/1997
Date Record Edited:	04/21/2010
Person Adding/Editing Record:	BOTTOMLEY, B
Date Of NFA Letter:	02/05/2010
Is Tank Used For Emergency Generator:	No

FORMER AMOCO #244 (Continued) **U004129394**

Date Closure Notice Received:	04/14/2004
Date Of Aprroval Letter:	2004-04-14 00:00:00
Firm Closing Tank:	DELTA
Date Closure Report Received:	2004-06-30 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	8-2-04--rec. CR; requested UST cleaning/disposal docs, USTs that were CIP to be recorded on the property deed, rec. signature from RS Used Oil for 1132 gallons of sludge/rinsate and stated that TCLP heavy metals should have been ran near waste oil tanks and TPH OA2 should have been ran on SP sample--MP 12-15-04--rev. response to dept.'s request to satisfy deficient closure items; response adequately addressed items 2 and 3 of the dept.'s 8-11-04 letter (items 4 and 5 did not require a response); requested that property owners (Mr. and Mrs. Gary Reynolds) have Statement of Closure be recorded on the property deed and noted that a GW investigation will be conducted by BP/Delta Environmental--MP 2/3/05-Statement of closure was received, reviewed on 4/19/05, still awaiting GW investigation from BP Amoco. Sending letter to Reynolds letting them know their part is complete. HLM 4/20/05

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35866
Tank PK:	35868
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1986-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	0
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW20648
Owner Name:	BP
Owner Address:	2240 BLUESTONE DR
Owner City,St,Zip:	ST CHARLES, MO 63303 2322
Owner County Code:	Not reported
Owner Phone:	9168114
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	2004-03-18 00:00:00
Date Record Added:	2004-03-22 00:00:00
Date Record Edited:	2004-03-22 00:00:00

FORMER AMOCO #244 (Continued) **U004129394**

Name of Person Editing Record:	NEVINS, H.	
Tank ID:	3	
Tank Double Wall:	0	
Tank Type:	Below Ground	
Tank Status:	**Permanently Closed in place**	
Meet 98 Update Requirements:	Not reported	
Date Tank Installed:	Not reported	
Tank Material:	Steel	
Code for Tank Material Manufacturer:	Not reported	
Code for Tank Installer:	Not reported	
Other Type Of Tank Material:	Not reported	
Tank Internal Protection:	Not reported	
Other Tank Internal Protection:	Not reported	
Tank Internal Protection Date:	Not reported	
Tank External Protection:	Not reported	
Other Type Tank Extrn Protec:	Not reported	
Tank External Protec Date:	Not reported	
Date Tank Last Used:	Not reported	
Date Tank Permanently Closed/ Removed:	04/28/2004	
Dt Tk Exp Brought InUse/Internal Tracking:		Not reported
Tank Fees Waived:	Yes	
Expedite Closure On Tank?:	No	
Responsible Person Expediting Closure:	Not reported	
Temporary Status Verified Date:	Not reported	
Admin Fee 585:	Not reported	
Date Administratively Closed:	Not reported	
Date Record Added:	06/23/2004	
Date Record Edited:	04/21/2010	
Person Adding/Editing Record:	BOTTOMLEY, B	
Date Of NFA Letter:	02/05/2010	
Is Tank Used For Emergency Generator:	No	
Date Closure Notice Received:	06/30/2004	
Date Of Aprroval Letter:	2004-06-30 00:00:00	
Firm Closing Tank:	DELTA	
Date Closure Report Received:	2004-06-30 00:00:00	
Registration End Date:	Not reported	
LockOut Flag:	No	
Comments:	***--Date Notice Rec, Date of App Ltr and Date Rpt Rec are the same b/c USTs 3 and 4 were found during the closure activites of USTs 1 and 2, therefore Delta was instructed to continue with the site activities and that the database could be edited based on the CR 8-2-04--rec. CR; requested UST cleaning/disposal docs, USTs that were CIP to be recorded on the property deed, rec. signature from RS Used Oil for 1132 gallons of sludge/rinsate and stated that TCLP heavy metals should have been ran near waste oil tanks and TPH OA2 should have been ran on SP sample--MP 12-15-04--rev. response to dept.'s request to satisfy deficient closure items; response adequately addressed items 2 and 3 of the dept.'s 8-11-04 letter (items 4 and 5 did not require a response); requested that property owners (Mr. and Mrs. Gary Reynolds) have Statement of Closure be recorded on the property deed and noted that a GW investigation will be conducted by BP/Delta Environmental--MP 2/3/05-Statement of closure was received, reviewed on 4/19/05, still awaiting GW investigation from BP Amoco. Sending letter to Reynolds letting them know their part is complete. HLM 4/20/05	

FORMER AMOCO #244 (Continued) **U004129394**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	35867
Tank PK:	35869
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Used Oil
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	4
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW20648
Owner Name:	BP
Owner Address:	2240 BLUESTONE DR
Owner City,St,Zip:	ST CHARLES, MO 63303 2322
Owner County Code:	Not reported
Owner Phone:	9168114
Mail Was Not Deliverable:	No
Is Owner Active?:	No
Date Registration Received:	2004-03-18 00:00:00
Date Record Added:	2004-03-22 00:00:00
Date Record Edited:	2004-03-22 00:00:00
Name of Person Editing Record:	NEVINS, H.

Tank ID:	4
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FORMER AMOCO #244 (Continued) **U004129394**

Date Tank Permanently Closed/ Removed: 04/28/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: Yes
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/23/2004
Date Record Edited: 04/21/2010
Person Adding/Editing Record: BOTTOMLEY, B
Date Of NFA Letter: 02/05/2010
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 06/30/2004
Date Of Aprroval Letter: 2004-06-30 00:00:00
Firm Closing Tank: DELTA
Date Closure Report Received: 2004-06-30 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: ***--Date Notice Rec, Date of App Ltr and Date Rpt Rec are the same b/c USTs 3 and 4 were found during the closure activites of USTs 1 and 2, therefore Delta was instructed to continue with the site activities and that the database could be edited based on the CR 8-2-04--rec. CR; requested UST cleaning/disposal docs, USTs that were CIP to be recorded on the property deed, rec. signature from RS Used Oil for 1132 gallons of sludge/rinsate and stated that TCLP heavy metals should have been ran near waste oil tanks and TPH OA2 should have been ran on SP sample--MP 12-15-04--rev. response to dept.'s request to satisfy deficient closure items; response adequately addressed items 2 and 3 of the dept.'s 8-11-04 letter (items 4 and 5 did not require a response); requested that property owners (Mr. and Mrs. Gary Reynolds) have Statement of Closure be recorded on the property deed and noted that a GW investigation will be conducted by BP/Delta Environmental--MP 2/3/05-Statement of closure was received, reviewed on 4/19/05, still awaiting GW investigation from BP Amoco. Sending letter to Reynolds letting them know their part is complete. HLM 4/20/05

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 35868
Tank PK: 35870
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Used Oil
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: 4
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported

FORMER AMOCO #244 (Continued) **U004129394**

Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019352
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0019352
Tank Id: 2
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0019352
Tank Id: 4
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No

FORMER AMOCO #244 (Continued) **U004129394**

No Excavation:	No
Facility Id:	ST0019352
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

79
ESE
1/4-1/2
0.453 mi.
2394 ft.

H & M LAWN SERVICE **MO SWRCY** **S118418538**
616 SOUTH 15TH STREET **N/A**
ST. JOSEPH, MO 64501

Relative:
Higher

Actual:
956 ft.

SWRCY:

Country:	USA
Material Accepted:	Solid Waste: Solid Waste -- Organics: Organics
Drop Off Hours:	Not reported
Notes:	Information furnished by the St. Joseph Landfill.

80
SSW
1/4-1/2
0.463 mi.
2443 ft.

FARMLAND INDUSTRIES OLD INSECTICIDE PLT **MO SHWS** **S103924861**
FOURTH & SENECA STREET **MO SMARS** **N/A**
ST. JOSEPH, MO 64504

Relative:
Lower

Actual:
806 ft.

Missouri Hazardous Waste:

Category Name:	Registry Sites
Category Desc:	Sites in this category are currently listed on the Registry.
Site Class:	3
Owner Name:	BNSF Railway Company - KC
Owner Address:	4515 Kansas Avenue
Owner City,St,Zip:	Kansas City, KS 66106
Action Date:	03/30/1988
Contamination:	2,4-Dimethylphenol, 2-Methylnaphthalene, 2-Methylphenol, 4,4-DDD, 4,4-DDE, 4,4-DDT, Acenaphthene, Acenaphthylene, Aldrin, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Beryllium, Butyl benz
Classification:	Class 3
Date of Placement:	March 30, 1988
Present Property Owner:	Burlington Northern Santa Fe Railroad
Lead Agency:	EPA
Facility Zip:	Not reported

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **S103924861**

Address Detail:	Missouri, NW 1/4, Sec. 17, T.57N, R.35W, Buchanan County, St. Joseph North Quadrangle
Waste Type:	Pesticides, polycyclic aromatic hydrocarbons (PAHs), heavy metals, and volatile organic compounds (VOCs)
Quantity:	Not determined
Site Description:	The Farmland Industries Site is the location of a former pesticide formulation plant. This site is approximately 2.6 acres in size and is located on the eastern bank of the Missouri River in a moderately industrialized area of the flood plain. Numerous manufacturing and warehouse facilities are located adjacent to the property. This subject site is owned by the Burlington Northern Santa Fe Railroad (BNSF) and the land was leased to several different companies throughout history. Between 1950 and 1980, several companies occupied the site while formulating organochlorine pesticides. The Woodbury Chemical Company first leased the property from 1950 to 1969. Farmland Industries first acquired stock in the company in 1966. By 1970, Farmland Industries and Dow Chemical each owned 50 percent of the company stock, and the company name was changed to Missouri Chemical Company. Farmland Industries purchased Dow's stock in 1974. In 1979, Farmland began liquidating assets and fully closed the pesticide formulation operation in 1980. Buildings and associated facilities were removed in late 1979 and early 1980. In 1989, the site was clay capped and vegetated. A six-foot high, chain-link security fence encompasses the entire site, and warning signs are posted.
Env Problems/Areas of Concern:	Surface soil samples collected by EPA in early pesticides and heavy metals. Soil samples collected in 1985, showed concentrations of chlordane, heptachlor, aldrin and dieldrin. Some results were in the parts per thousand range. Samples from one area contained greater than one percent chlordane. In addition to contaminated surface soils, subsurface soils and groundwater were contaminated. Aldrin was detected at 1,100 ppm at 15 to 16.5 feet in depth. Contaminants detected in the groundwater are consistent with those found in the subsurface soils. One water sample contained 11,000 ppm pesticides at 22 feet in depth. Although the contaminant plume is localized, the site is located in an area that has the potential to affect a major alluvial aquifer. Over the past several years, the Missouri Department of Health and Senior Services (DHSS) has been increasingly concerned with the possibility that the area outside the capped and fenced area is contaminated and the extent of the contamination has not been defined around the site.
Remedial Action:	On November 2, 1989, the EPA entered into an Administrative Order on Consent (AOC) with Farmland Industries Inc., Missouri Pacific Railroad Company, and Burlington Northern Railroad Company to implement the proposed capping plan and to reimburse the EPA for oversight costs. The capping plan was implemented in November and December 1989. All quadrants of the site that contained a total pesticide concentration of 50 parts per million (ppm) or greater were capped with 18 inches of clean clay soils. Contaminated areas immediately outside the existing fence that exceeded the capping standard were removed for placement under the cap. The soils were resampled to verify that the residual pesticide levels were below the 50 ppm action level. The facility fencing was maintained as the primary means of access control. Abovegrade structures that hindered placement of the cap were removed. In April 1990, the site was prepared and seeded. A good vegetative cover is established on the cap. Groundwater was never fully characterized or addressed during

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **S103924861**

the cleanup, despite concerns expressed by the department. Following the bankruptcy of Farmland Industries, Inc., a settlement agreement was reached between the liquidating trustee, BNSF Railway Company, and the department. Pursuant to the settlement agreement, BNSF has taken over site maintenance and reporting obligations. These reports summarize all activities performed for the operation and maintenance of the cap during the preceding 12 months. In August 2007, the department implemented a Site Reassessment (SR) for Farmland Industries. A SR sampling event was completed in October 2008. The purpose of the SR was to determine whether pesticide contamination was present in soil outside the capped and fenced area on the subject site. The SR sampling event involved collecting subsurface soil, surface soil and groundwater samples from the perimeter of the Farmland Industries capped and fenced site as well as the properties adjacent to the site. The soil and water samples were analyzed for beryllium, semi-volatile organic compounds and organochlorine pesticides. Some contamination was found in the adjacent properties. In 2009, the department requested DHSS prepare a Health Consultation for the properties surrounding the Farmland Industries Site. The September 23, 2011 Health Consultation concluded that the amount of exposure to the chemicals at Farmland Industries is not expected to harm people?s health. This decision was based on several facts that the chemicals present in the surface soils are below levels of health concern for non-cancer health effects. Based on current site conditions and available information, the Farmland Industries Site warrants no further action at this time provided the subsequent DHSS recommendations are followed. 1. Maintenance of the clay cap, grass cover, and fencing (with warning signs) on the Farmland Industries Site should continue indefinitely to prevent contaminants from leaving the site and to prevent trespass on the site. 2. On areas outside of the Farmland Industries Site, simple steps should be taken to limit direct contact with the soil or dust when doing activities outside around the adjacent building and vacant areas. Maintaining a good grass cover would be one approach to avoiding direct contact. 3. Basic precautions such as personal protective equipment should be used if digging in the soil around the north end of the Butts Company property (property located south of the Farmland Industries Site) or near the Farmland property. 4. If any expansion is made to the Butts Company building or if the building is torn down, a reassessment of the site needs to be completed, including soil, water, and air sampling because additional exposure could take place. 5. Long-term stewardship mechanisms should be employed to ensure that the existing land use of the site not be changed to allow for greater human contact to site contaminants (such as allowing residential use) without further assessment and possibly remedial actions.

General Geologic/Hydrologic Setting: Overburden at this location is composed of fill material over thick alluvial deposits, which are estimated to be 60 to 100 feet thick. The alluvium is composed of sand, silt and clay; with the coarser-grained material predominant at depth. Clay-rich material is present beneath the eastern portion of the site. The uppermost aquifer at this location is the Missouri River alluvium. Depth to groundwater, as indicated by monitoring wells, is 10 to 25 feet. Off-site migration of contaminants in groundwater most likely is toward the Missouri River; however, the potential does exist for high-yield wells to alter flow direction in the alluvial aquifer. Because the bedrock here typically displays low permeability, contaminants are not anticipated to affect groundwater in the bedrock.

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **S103924861**

Not reported

Public Drinking Water Advisory: The site is downstream from St. Joseph?s former drinking water river intake and the new drinking water well field. No other sources of public drinking water are in this area, and none should be affected by this site.

Health Assessment: The following are the major contaminants of concern: aldrin, chlordane, DDT/DDD/DDE, dieldrin, endrin, hexachlorobenzene, heptachlor, PAHs, and beryllium. Please refer to the Health Assessment Chemical Table in Appendix A for a description of the potential adverse health effects associated with these contaminants. Inhalation, direct contact, and ingestion of contaminated ground and surface water are potential routes of exposure at this site. Exposure may result through the inhalation of contaminated soil particles. The site was remediated, capped, and a fence installed to prevent access after high levels of pesticide contamination was found. The most highly contaminated areas have therefore been capped to reduce the potential for exposure and to reduce migration of wastes via groundwater. The site is located in the Missouri River alluvium and is within two hundred feet of the river. This combined with the concentration of pesticides at 22 feet below the surface, are indications that both surface and groundwater are probably being contaminated. Finally, since the chlorinated insecticides at this site are fat soluble, they tend to accumulate in the food chain. Human exposure is possible through the consumption of contaminated fish, due to the extremely high levels of organochlorines and the proximity of the site to the Missouri River. No recent exposures however have been documented at this site. In October 2008, staff from the department conducted reassessment sampling of soil and groundwater on areas surrounding the Farmland Industries site. Low levels of pesticides and PAHs were found. The department subsequently requested DHSS to do a health consultation to determine if a health concern exists at the properties surrounding the former Farmland industries property. The health consultation found all chemicals present in the surface soils surrounding this industrial site to be below levels of health concern for non-cancer health effects. Based on the maximum levels that the department detected in surface soils, several PAHs and pesticides were above the EPA cancer risk screening level for industrial soils. However, the maximum levels of pesticides are primarily based on one sample while the elevated PAH levels appear to be prevalent throughout this industrial area. Contaminant levels in other adjacent properties were generally not above screening levels. DHSS concluded that the amount of exposure to chemicals in the area surrounding the Farmland site is not expected to harm people?s health as long as the clay cap, grass cover, and site fencing is maintained. Outside the site, maintenance of a grass cover would limit direct contact with soil. The nearest residences are approximately 0.5 miles away. Based on available information, a health threat exists on-site due to the residual contamination under the cap. The low levels of contaminant found in the surrounding areas do not present a significant health risk. These areas should ideally be kept under a grass cover.

SMARS:

SM Number:	10080
CERCLIS:	MOD980502322
Ownership:	Superfund
Superfund Ownership:	Yes
Voluntary Cleanup Ownership:	No

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **S103924861**

Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	Yes
Site Code:	3923
Other Site Code:	719

81
WNW
1/4-1/2
0.492 mi.
2598 ft.

ARTESIAN ICE & COLD STORAGE-PLANT A **MO AUL** **S112442314**
202-204 MAIN STREET **MO VCP** **N/A**
ST. JOSEPH, MO 64501 **MO SMARS**

Relative:
Lower

Actual:
836 ft.

AUL:

Northing:	4403643.534
Easting:	340650.071
Activity Use:	O & M Plan, Restrictive Covenant
Operable Unit:	Artesian Ice & Cold Storage-Plant A

VCP:

Northing:	4403643.534
Easting:	340650.071
Facility Status:	Cert. of Completion Issued/AULs
Activity Use:	O & M Plan, Restrictive Covenant
Manager:	Christine O'Keefe
Cert. of completion issued:	11/5/2012
Application Received:	5/4/2010
State Funded:	Not reported
Federal Funded:	Not reported
Acreage:	1.6
Operable Unit:	Artesian Ice & Cold Storage-Plant A
Site Description:	Based on the review of the historical information, the site appears to have been developed by at least 1883. The east buildings were constructed between 1883 and 1902. Historical building occupants have included a cracker manufacturer, candy factory, biscuit company, pot pie manufacturer and cold storage. Prior to the current buildings, Western Fuel Company (with a coal yard and wood piles) and dwellings were located on the northeastern portion of the site. Black Snake Creek was located on the western portion of the site. The west building (Building 6) and parking area was constructed in 1967.
Contaminant:	Not reported

SMARS:

SM Number:	12098
CERCLIS:	Not reported
Ownership:	VCP
Superfund Ownership:	No
Voluntary Cleanup Ownership:	Yes
Federal Facilities Ownership:	No
Permits Ownership:	No
NPL Date:	Not reported
Tank Site Identification #:	Not reported
Tank Remediation #:	Not reported
Registry:	No
Site Code:	Not reported

ARTESIAN ICE & COLD STORAGE-PLANT A (Continued) **S112442314**

Other Site Code: Not reported

82
SSW
1/4-1/2
0.496 mi.
2620 ft.

GRAY AUTOMOTIVE PRODUCTS **MO LUST U003164547**
510 SENNECA **MO UST N/A**
ST JOSEPH, MO 64501

Relative:
Lower

Actual:
813 ft.

LUST:

Facility ID:	ST0009179
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	05/25/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	07/05/1995
Date Cleanup Finished:	07/05/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005297
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	04/24/2002
Person Adding Or Editing Record:	HUTSON, F
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	07-05-95 - JH - SITE CLOSED.

UST:

Facility ID:	ST0009179
Region:	KC
Easting:	341194.13
Northing:	4402363.87
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/27/2013
Lat/Long:	39.75775 / -94.85373
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW06529
Owner Name:	GRAY AUTOMOTIVE PRODUCTS

GRAY AUTOMOTIVE PRODUCTS (Continued) **U003164547**

Owner Address:	1316 FREDERICK
Owner City,St,Zip:	ST JOSEPH, MO 64501
Owner County Code:	21
Owner Phone:	8217320
Mail Was Not Deliverable:	Yes
Is Owner Active?:	No
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	1999-03-26 00:00:00
Name of Person Editing Record:	NREQHW-FASTT

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	07/10/1995
Date Tank Permanently Closed/ Removed:	07/10/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	07/10/1995
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/09/1995
Date Of Aprroval Letter:	1995-07-10 00:00:00
Firm Closing Tank:	PALACE ENVIRONMENTAL INC
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	1-1,000 GAS

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22736
Tank PK:	22736
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported

GRAY AUTOMOTIVE PRODUCTS (Continued) **U003164547**

Capacity:	1000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-07-10 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0009179
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

83
SSW
1/2-1
0.515 mi.
2719 ft.

FARMLAND INDUSTRIES OLD INSECTICIDE PLT **SEMS** **1000300612**
4TH ST & SENECA ST **PRP** **MOD980502322**
ST JOSEPH, MO 64501 **CONSENT**

Relative:
Lower

Actual:
805 ft.

SEMS:

Site ID:	701132
EPA ID:	MOD980502322
Cong District:	6
FIPS Code:	29021
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:

Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **1000300612**

FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1981-01-01 00:00:00
Finish Date:	3/1/1981
Qual:	H
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1993-10-14 00:00:00
Finish Date:	3/10/1998
Qual:	V
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	1985-08-26 00:00:00
Finish Date:	8/26/1985
Qual:	W
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-07-01 00:00:00
Finish Date:	7/1/1980
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **1000300612**

EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1985-08-26 00:00:00
Finish Date:	8/26/1985
Qual:	L
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1980-09-01 00:00:00
Finish Date:	9/1/1980
Qual:	L
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	AS
Action Name:	AIR SRVY
SEQ:	1
Start Date:	1989-03-14 00:00:00
Finish Date:	7/14/1989
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	7
Site ID:	701132
EPA ID:	MOD980502322
Site Name:	FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL:	N
FF:	N
OU:	0
Action Code:	OM
Action Name:	OM
SEQ:	1
Start Date:	1990-12-14 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	St Ovrsght

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **1000300612**

Region: 7
Site ID: 701132
EPA ID: MOD980502322
Site Name: FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL: N
FF: N
OU: 0
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 1989-06-30 00:00:00
Finish Date: 3/31/1997
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 7
Site ID: 701132
EPA ID: MOD980502322
Site Name: FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL: N
FF: N
OU: 0
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 1989-11-15 00:00:00
Finish Date: 12/14/1990
Qual: C
Current Action Lead: EPA Ovrsght

Region: 7
Site ID: 701132
EPA ID: MOD980502322
Site Name: FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL: N
FF: N
OU: 0
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1987-08-26 00:00:00
Finish Date: 6/10/1988
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 7
Site ID: 701132
EPA ID: MOD980502322
Site Name: FARMLAND INDUSTRIES OLD INSECTICIDE PLT
NPL: N
FF: N
OU: 0
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2011-10-01 00:00:00
Finish Date: 3/26/2013

FARMLAND INDUSTRIES OLD INSECTICIDE PLT (Continued) **1000300612**

Qual: N
Current Action Lead: St Perf

PRP:
PRP name: BURLINGTON NORTHERN RAILROAD
BURLINGTON NORTHERN RAILROAD
FARMLAND INDUSTRIES, INC. (OF KC. MO.)
FARMLAND INDUSTRIES, INC. (OF KC. MO.)
FARMLAND INDUSTRIES, INC. (OF KC. MO.)
MISSOURI PACIFIC RAILROAD CO.
SHELL OIL COMPANY

CONSENT:
EPA ID: MOD980502322
Site ID: Not reported
Case Title: U.S. V. FARMLAND INDUSTRIES, INC., BURLINGTON NORTHERN RAILROAD COMPANY AND SHELL CHEMICAL CO.
Court Num: 94-6142-6
District: Missouri, West
Entered Date: 19941208
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ST JOSEPH	1003877137	ST JOSEPH #2 FMGP	510-514 S 5TH ST	64501	SEMS-ARCHIVE
ST. JOSEPH	1008407838	ST. JOSEPH FMGP #2	510-514 S 5TH ST.	64501	EDR MGP

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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/16/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/16/2018
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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/16/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10
Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10
Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2017
Next Scheduled EDR Contact: 02/26/2018
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: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/12/2018
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: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/18/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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

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

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Department of Natural Resources
Telephone: 573-751-1990
Last EDR Contact: 11/27/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Annually

MO HWS DETAIL: Registry Annual Report

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

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 06/08/2017
Date Made Active in Reports: 09/29/2017
Number of Days to Update: 113

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 07/02/5007
Data Release Frequency: Annually

KS SHWS: Identified Sites List

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

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/21/2017
Number of Days to Update: 40

Source: Department of Health and Environment
Telephone: 785-296-1660
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

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

MO SWF/LF: Solid Waste Facility List

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

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 25

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 11/13/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

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

Date of Government Version: 08/16/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 10/02/2017
Number of Days to Update: 45
Source: Department of Health and Environment
Telephone: 785-296-1590
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

State and tribal leaking storage tank lists

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

Date of Government Version: 12/05/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40
Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 12/05/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40
Source: Department of Natural Resources
Telephone: 573-751-6822
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/23/2018
Number of Days to Update: 18
Source: Department of Health & Environment
Telephone: 785-296-1685
Last EDR Contact: 12/28/2017
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/23/2018
Number of Days to Update: 18
Source: Department of Health and Environment
Telephone: 785-296-1685
Last EDR Contact: 12/28/2017
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

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: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

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: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

MO UST: Petroleum Storage Tanks
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: 12/05/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40
Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

KS 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: 10/13/2017
Date Data Arrived at EDR: 10/20/2017
Date Made Active in Reports: 12/13/2017
Number of Days to Update: 54
Source: Department of Health and Environment
Telephone: 785-296-1685
Last EDR Contact: 12/28/2017
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

MO AST: Aboveground Petroleum Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 12/05/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/25/2018
Number of Days to Update: 43
Source: Department of Agriculture
Telephone: 573-751-7062
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

KS AST: Aboveground Storage Tank Data
Registered Aboveground Storage Tanks.

Date of Government Version: 10/13/2017
Date Data Arrived at EDR: 10/20/2017
Date Made Active in Reports: 12/13/2017
Number of Days to Update: 54
Source: Department of Health and Environment
Telephone: 785-296-1685
Last EDR Contact: 12/28/2017
Next Scheduled EDR Contact: 04/16/2018
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: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

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: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

MO AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

MO VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

KS VCP: Identified Sites List

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

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/21/2017
Number of Days to Update: 40

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

MO BROWNFIELDS: Brownfields Site List

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

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

KS BROWNFIELDS: Identified Sites List

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

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/21/2017
Number of Days to Update: 40

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 09/20/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

MO SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/26/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 21

Source: Department of Natural Resources
Telephone: 573-526-3944
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

MO HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005
Date Data Arrived at EDR: 07/19/2006
Date Made Active in Reports: 08/18/2006
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 01/12/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

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: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: No Update Planned

MO CDL: Environmental Emergency Response System
Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 11/27/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40
Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

KS 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: 11/08/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

MO DEL SHWS: Registry Sites Withdrawn or Deleted
A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 11/27/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Annually

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: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/12/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

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

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

MO SPILLS: Environmental Response Tracking Database
Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 11/27/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 40
Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

KS SPILLS: Kansas Spills Database

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

Date of Government Version: 06/29/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/11/2017
Number of Days to Update: 64
Source: Department of Health and Environment
Telephone: 785-296-1660
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

KS SPILLS 2: Spills Database

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

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 10/19/2017
Date Made Active in Reports: 12/11/2017
Number of Days to Update: 53
Source: Kansas Corporation Commission
Telephone: 316-337-6626
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

MO SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10
Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 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: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
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: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2017
Next Scheduled EDR Contact: 02/26/2018
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: 10/17/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
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
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

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

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2018
Next Scheduled EDR Contact: 05/07/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 03/19/2018
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: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 02/19/2018
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: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
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: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: 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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: 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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
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
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/26/2018
Next Scheduled EDR Contact: 05/07/2018
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: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/16/2018
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
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: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
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: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 02/19/2018
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.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/16/2018
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 1931and 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: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
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.

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 24

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/19/2018
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: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
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: 09/02/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

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: 11/20/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 53

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

MO AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 10/21/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 52

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Varies

KS AIRS: Title V Source Information
A listing of title V sources, including emissions information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 12/28/2017
Date Made Active in Reports: 01/23/2018
Number of Days to Update: 26
Source: Department of Health & Environment
Telephone: 785-296-6427
Last EDR Contact: 12/26/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Annually

MO COAL ASH: Coal Ash Disposal Sites
A listing of power plants with coal ash ponds.

Date of Government Version: 04/04/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 09/29/2017
Number of Days to Update: 176
Source: Department of Natural Resources
Telephone: 573-526-1825
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Varies

KS COAL ASH: Coal Ash Disposal Site Listing
A listing of coal combustion waste landfills.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 10/21/2016
Date Made Active in Reports: 12/21/2016
Number of Days to Update: 61
Source: Department of Health & Environment
Telephone: 785-296-1600
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

MO DRYCLEANERS: Drycleaners in Missouri Listing
A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 36
Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

KS DRYCLEANERS: Registered Drycleaning Facilities
A listing of registered drycleaners.

Date of Government Version: 12/19/2017
Date Data Arrived at EDR: 12/20/2017
Date Made Active in Reports: 01/23/2018
Number of Days to Update: 34
Source: Department of Health & Environment
Telephone: 785-291-3250
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/13/2017
Date Data Arrived at EDR: 10/20/2017
Date Made Active in Reports: 12/13/2017
Number of Days to Update: 54
Source: Department of Health & Environment
Telephone: 785-296-1685
Last EDR Contact: 12/28/2017
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 39
Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Annually

MO Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 07/12/2017
Date Data Arrived at EDR: 09/07/2017
Date Made Active in Reports: 10/19/2017
Number of Days to Update: 42
Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

MO MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 09/12/2014
Date Data Arrived at EDR: 10/23/2014
Date Made Active in Reports: 12/01/2014
Number of Days to Update: 39
Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

MO NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 01/29/2018
Number of Days to Update: 10
Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

MO RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/22/2018
Number of Days to Update: 13
Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 12/21/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Annually

MO SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

Date of Government Version: 10/18/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 01/04/2018
Number of Days to Update: 64
Source: Department of Natural Resources
Telephone: 573-751-3043
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

MO UIC: Underground Injection Wells Database

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

Date of Government Version: 07/03/2017
Date Data Arrived at EDR: 08/25/2017
Date Made Active in Reports: 09/29/2017
Number of Days to Update: 35

Source: Department of Natural Resources
Telephone: 573-368-2183
Last EDR Contact: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Semi-Annually

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

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/16/2017
Date Made Active in Reports: 12/11/2017
Number of Days to Update: 25

Source: Department of Health & Environment
Telephone: 785-296-1367
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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

Date of Government Version: 09/14/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 10/24/2017
Number of Days to Update: 35

Source: Department of Health & Environment
Telephone: 785-296-5517
Last EDR Contact: 01/08/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MO RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

KS RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environment in Kansas.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Health and Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

MO RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

KS RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environment in Kansas.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Health and Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

MO RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

KS RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environment in Kansas.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Health and Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 11/11/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 34

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 11/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
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: 11/16/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/11/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Child Care Facilities
Source: Department of Health & Senior Services
Telephone: 573-751-2450

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri
Source: Department of Natural Resources
Telephone: 573-751-5110

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

MEAD-HANSEN BUILDING
408 S 8TH ST
SAINT JOSEPH, MO 64501

TARGET PROPERTY COORDINATES

Latitude (North):	39.763769 - 39° 45' 49.57''
Longitude (West):	94.851045 - 94° 51' 3.76''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	341443.0
UTM Y (Meters):	4402967.5
Elevation:	854 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6723767 SAINT JOSEPH NORTH, MO
Version Date:	2015
South Map:	6723769 SAINT JOSEPH SOUTH, 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).

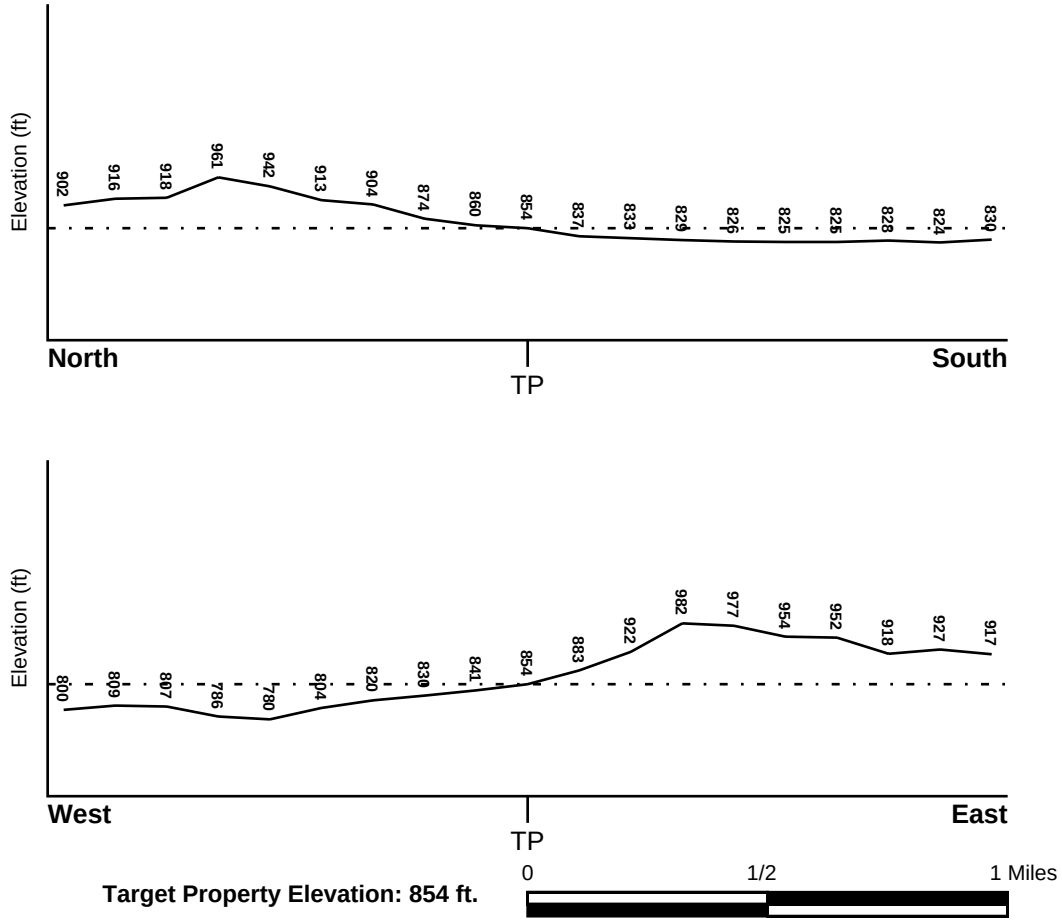
TOPOGRAPHIC INFORMATION

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 WSW

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

Flood Plain Panel at Target Property	FEMA Source Type
29003C0425C	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
2900430020C	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAINT JOSEPH NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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

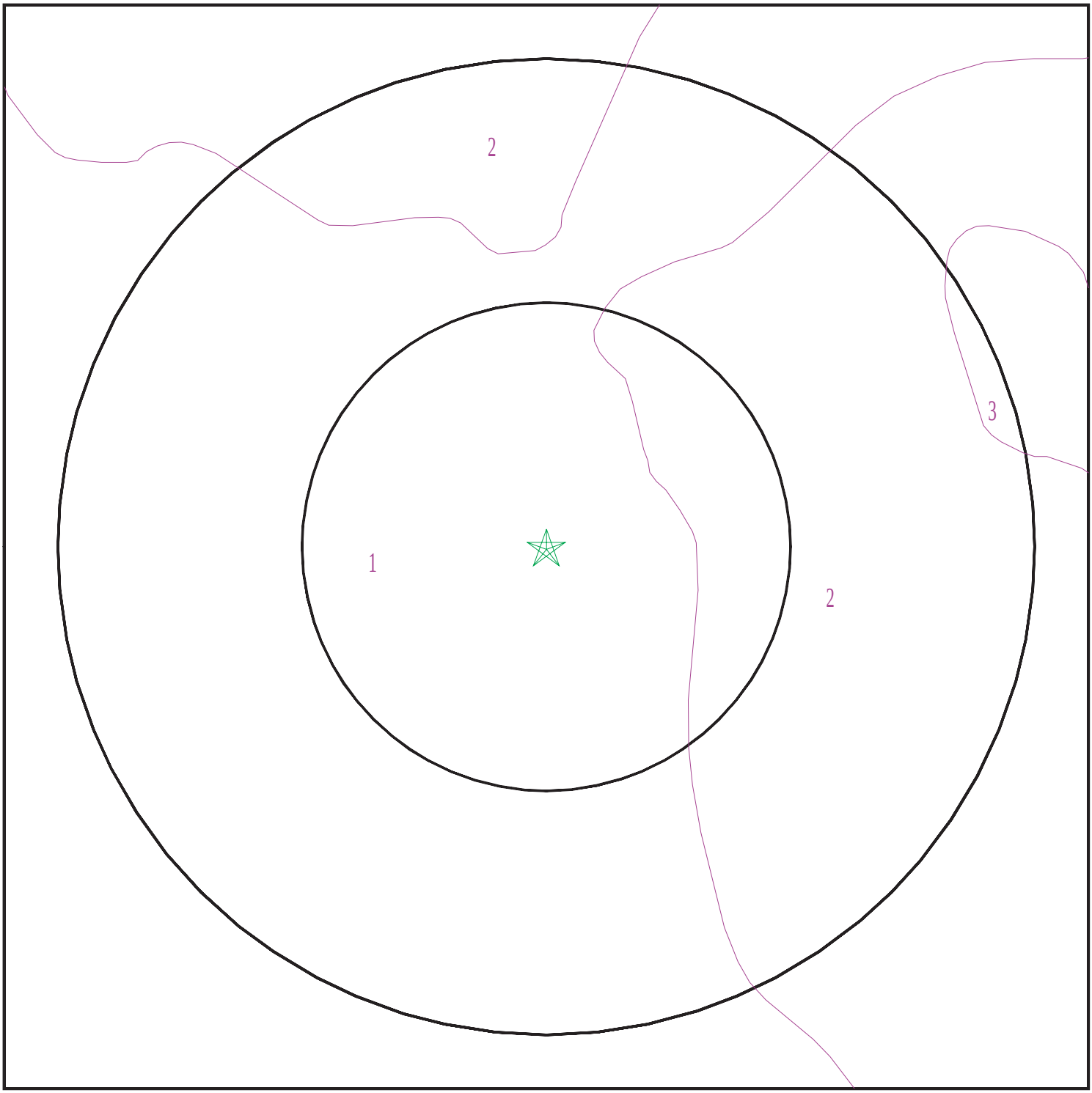
Era:	Paleozoic
System:	Pennsylvanian
Series:	Virgilian Series
Code:	PP4 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 5176168.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Mead-Hansen Building	CLIENT:	Tetra Tech EMI
ADDRESS:	408 S 8TH ST SAINT JOSEPH MO 64501	CONTACT:	John Simpson
LAT/LONG:	39.763769 / 94.851045	INQUIRY #:	5176168.2s
		DATE:	February 02, 2018 1:02 pm

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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: Urban land

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Knox

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	5 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	38 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Knox

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	7 inches	48 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	48 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000699765	1/4 - 1/2 Mile WNW
2	USGS40000699760	1/2 - 1 Mile SW
3	USGS40000699761	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

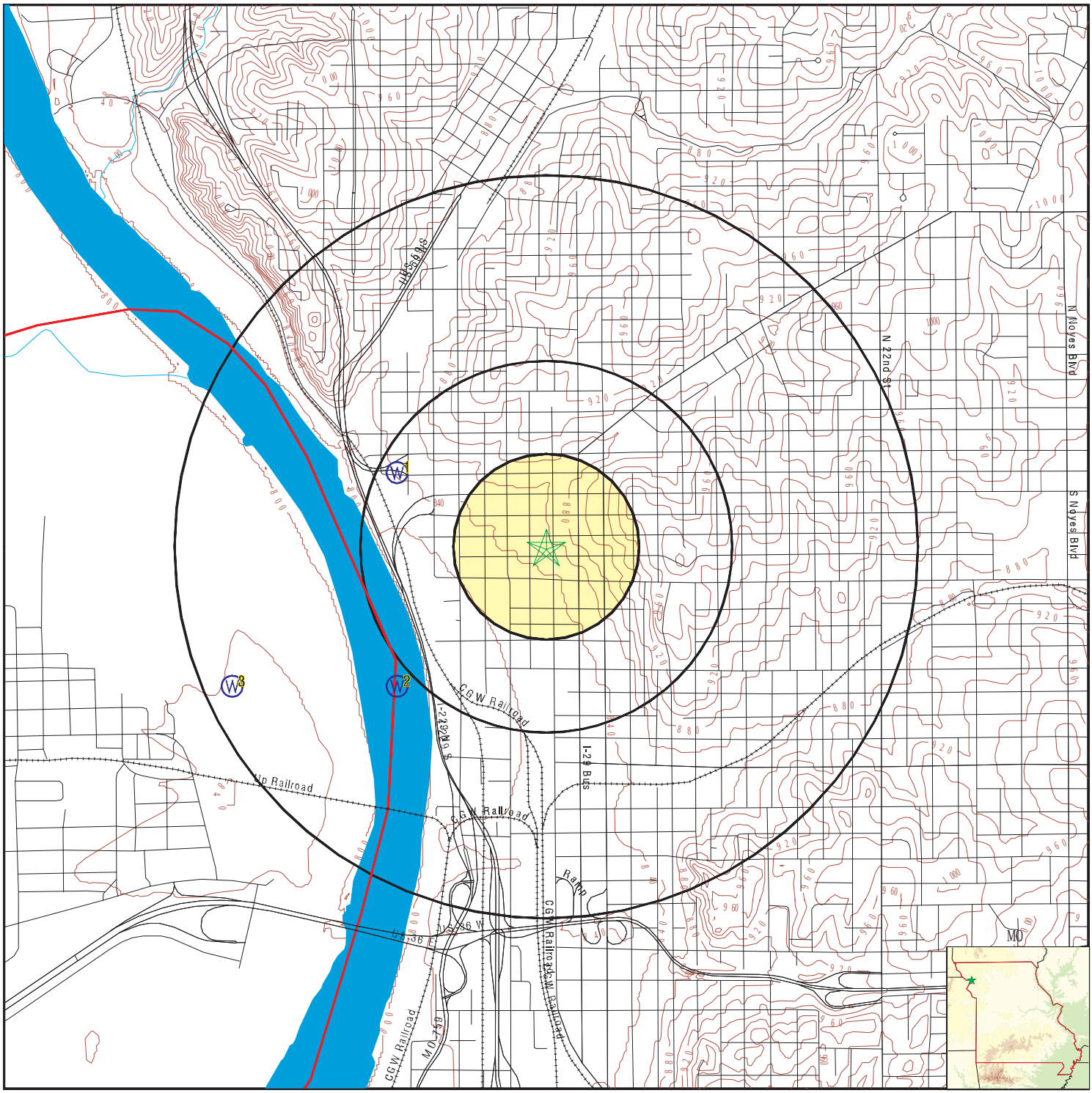
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 5176168.2s



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

0 1/4 1/2 1 Miles

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

SITE NAME:	Mead-Hansen Building	CLIENT:	Tetra Tech EMI
ADDRESS:	408 S 8TH ST SAINT JOSEPH MO 64501	CONTACT:	John Simpson
LAT/LONG:	39.763769 / 94.851045	INQUIRY #:	5176168.2s
		DATE:	February 02, 2018 1:02 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
WNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000699765**

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-394600094513001		
Monloc name:	T57N R35W 08CBD1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10240011	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.766661
Longitude:	-94.858577	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	842
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Kansas City Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	350
Welldepth units:	ft	Wellholedepth:	350
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000699760**

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-394530094513001		
Monloc name:	T57N R35W 17		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10240011	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7583277
Longitude:	-94.8585769	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	780
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Drift		

Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	72
Welldepth units:	ft	Wellholedepth:	72
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

3
WSW **FED USGS** **USGS40000699761**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-MO		
Formal name:	USGS Missouri Water Science Center		
Monloc Identifier:	USGS-394530094520001		
Monloc name:	T57N R35W 17 2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10240011	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7583276
Longitude:	-94.8669105	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	813
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	78
Welldepth units:	ft	Wellholedepth:	78
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
64501	03/24/08	3.9
64501	03/11/06	1.8
64501	03/11/06	10.6
64501	03/17/06	1
64501	03/21/05	0.9
64501	06/08/06	4.4
64501	06/29/06	7.7

Federal EPA Radon Zone for BUCHANAN 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: 64501

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.350 pCi/L	50%	50%	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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri
Source: Department of Natural Resources
Telephone: 573-751-5110

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

Missouri Public Drinking Water Wells
Source: Department of Natural Resources
Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Natural Resources
Telephone: 573-368-2143

RADON

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

HISTORICAL USE DOCUMENTATION

APPENDIX F-1

HISTORICAL PROPERTY OWNERSHIP

MEAD-HANSEN BUILDING
408 S 8TH ST
SAINT JOSEPH, MO

INQUIRY NUMBER: 5176168.11
FEBRUARY 12, 2018

The EDR 1940 Chain of Title

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

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 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

MEAD-HANSEN BUILDING
408 S 8TH ST
SAINT JOSEPH, MO

RESEARCH SOURCE

SOURCE 1:	BUCHANAN COUNTY RECORDER OF DEEDS
SOURCE 2:	BUCHANAN COUNTY ASSESSOR
EXAMINER'S NOTE:	PUBLIC RECORDS OF BUCHANAN COUNTY , WERE SEARCHED FROM JANUARY 1, 1940 TO FEBRUARY 12, 2018 AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

PROPERTY DESCRIPTION

CURRENT OWNER:	ST JOSEPH PROPERTIES LLC
LEGAL DESCRIPTION:	AS RECORDED IN THE DEED BELOW
PROPERTY IDENTIFIERS:	06-3.0-08-004-003-055.000
GENERAL COMMENTS:	

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

LEASES AND MISCELLANEOUS

SEE EXHIBIT "B"

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 06-3.0-08-004-003-055.000

CHAIN 1

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	ST JOSEPH PROPERTIES LLC
TITLE RECEIVED FROM:	WILLIAM E GARVEY AND MARY S GARVEY
DATE EXECUTED:	09/09/1998
DATE RECORDED:	09/28/1998
BOOK:	2173
PAGE:	940
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	

CHAIN 2

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	WILLIAM E GARVEY AND MARY S GARVEY
TITLE RECEIVED FROM:	EDWARD L GARVEY AND LOUISE N GARVEY
DATE EXECUTED:	03/15/1982
DATE RECORDED:	03/27/1982
BOOK:	1510
PAGE:	674
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	

CHAIN 3

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	EDWARD L GARVEY AND LOUISE N GARVEY
TITLE RECEIVED FROM:	AUSTIN L CAMPBELL AND JUNE L CAMPBELL
DATE EXECUTED:	05/15/1973
DATE RECORDED:	05/17/1973
BOOK:	1011
PAGE:	335
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	

EDR Chain of Title

CHAIN 4

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	AUSTIN L CAMPBELL AND JUNE L CAMPBELL
TITLE RECEIVED FROM:	RAYMOND T NELSON AND HELEN S NELSON
DATE EXECUTED:	02/12/1959
DATE RECORDED:	02/20/1959
BOOK:	713
PAGE:	174
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	

CHAIN 5

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	RAYMOND T NELSON AND HELEN S NELSON
TITLE RECEIVED FROM:	HARVEY S MCINTOSH AND SHERRY A MCINTOSH
DATE EXECUTED:	04/24/1938
DATE RECORDED:	04/27/1938
BOOK:	319
PAGE:	762
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	

EDR Chain of Title

LEASES AND MISCELLANEOUS

EXHIBIT "B

EDR Chain of Title

LEASES AND MISCELLANEOUS

1. TYPE OF INSTRUMENT NONE IDENTIFIED
   FIRST PARTY
   SECOND PARTY
   RECORDED
   BOOK
   PAGE
   DOCUMENT NO.
   COMMENTS

GENERAL WARRANTY DEED

THIS INDENTURE, made on the 9 day of September A.D. One Thousand Nine Hundred and Ninety-eight by and between William E. Garvey and Mary S. Garvey, husband and wife, of Buchanan County, Missouri, Parties of the First Part, and St. Joseph Properties, L.L.C., a Missouri Limited Liability Company, of the County of Buchanan, State of Missouri, Party of the Second Part:

(Mailing address of first named grantee is: 222 Sylvanie, St. Joseph, Missouri 64501.)

WITNESSETH, that the Parties of the First Part, in consideration of the sum of One Dollar and Other Good and Valuable Consideration, to them paid by the Party of the Second Part, the receipt of which is hereby acknowledged, do by these presents Grant, Bargain and Sell, Convey and Confirm unto the Party of the Second Part, its successors and assigns, the following described Lots, Tracts or Parcels of Land and fixtures herein mentioned, lying, being and situate in the County of Buchanan and State of Missouri, to-wit:

All of their right, title and interest in and to the following described property:

Tract A: The West 94 1/2 feet of Lot 5 and all of Lot 6, Block 11, in SMITH'S ADDITION to the City of St. Joseph, Missouri.

Tract B: Lots 7 and 8 in Block 11, in SMITH'S ADDITION to the City of St. Joseph, Missouri.

TO HAVE AND TO HOLD the premises aforesaid, with all and singular the rights, privileges, appurtenances and immunities thereto belonging or in anywise appertaining, including electric light and gas fixtures, awnings, door and window screens, window shades, storm doors and windows, unto the said Party of the Second Part and unto its successors and assigns forever, the said Parties of the First Part hereby covenanting that they have good right to convey the same; that the premises are free and clear of any encumbrances done or suffered by them or those under whom they claim and that they will warrant and defend the title of the premises unto the said Party of the Second Part and unto its heirs and assigns **FOREVER**, against the lawful claims and demands of all persons whomsoever, except all taxes, general and special, falling due and becoming payable after the date of the delivery of this deed.

IN WITNESS WHEREOF, the Parties of the First Part have hereunto set their hands the day ~~and year~~ first above written.

William E. Garvey

Mary S. Garvey

STATE OF MISSOURI)
) SS.
COUNTY OF BUCHANAN)

On this 9 day of September, 1998, before me personally appeared William E. Garvey and Mary S. Garvey, his wife, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in my office in St. Joseph, Missouri, the day and year first above written.

My Commission Expires:

LISA STUMPF NOTARY PUBLIC
STATE OF MISSOURI, BUCHANAN COUNTY
COMMISSION EXPIRES JUNE 23 2001

Lisa Stumpf
Notary Public, Buchanan County, Missouri.

OFFICIAL SEAL

STATE OF MISSOURI
COUNTY OF BUCHANAN
I CERTIFY INSTRUMENT RECEIVED
1998 SEP 28 P 2:56
RECORDED BOOK 2173 PAGE 940
BARBARA C. SMITH, RECORDER
BY [signature] DEP.

15123

APPENDIX F-2

HISTORICAL SANBORN MAP SEARCH

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501

Inquiry Number: 5176168.3
February 02, 2018

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

02/02/18

Site Name:

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501
EDR Inquiry # 5176168.3

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 # 70E9-4A9B-B7AA

PO # NA

Project 103x9025140002.043

Maps Provided:

1969
1965
1955
1949
1911
1904
1897
1888
1883

Sanborn® Library search results

Certification #: 70E9-4A9B-B7AA

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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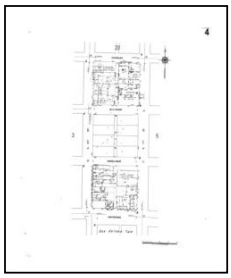
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

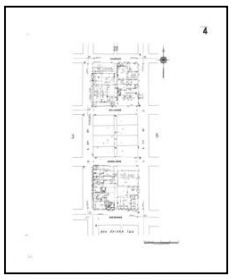
1969 Source Sheets



Volume 1, Sheet 4
1969

Volume 1, Sheet 5
1969

1965 Source Sheets

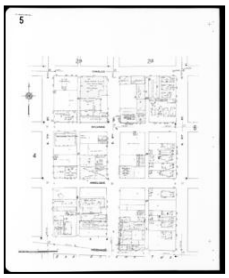


Volume 1, Sheet 4
1965

Volume 1, Sheet 5
1965

1955 Source Sheets

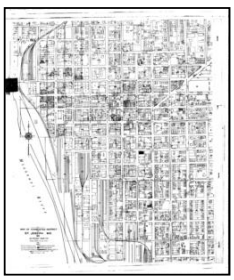
Volume 1, Sheet 4
1955



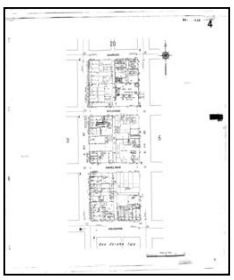
Volume 1, Sheet 5
1955

1949 Source Sheets

Volume 1, Sheet xxxx
1949



Volume 2, Sheet xxxx
1949



Volume 1, Sheet 4
1949

Volume 1, Sheet 5
1949

Sanborn Sheet Key

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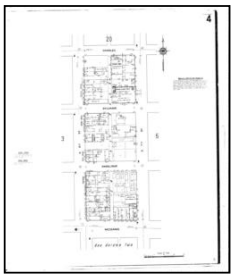
1911 Source Sheets

Volume 2, Sheet 1
1911



Volume 1, Sheet 4
1911

Volume 1, Sheet 5
1911

1904 Source Sheets

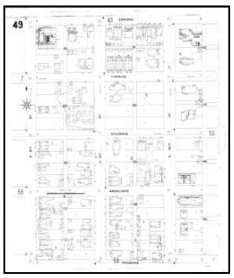
Volume 1, Sheet xxxx
1904

Volume 1, Sheet 1
1904

1897 Source Sheets

Volume 1, Sheet 7
1897

Volume 1, Sheet 56
1897



Volume 1, Sheet 49
1897

1888 Source Sheets

Volume 1, Sheet 21
1888

Volume 1, Sheet 22
1888

Sanborn Sheet Key

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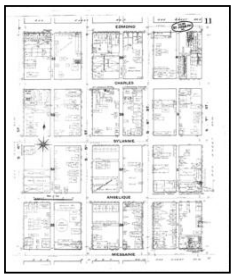
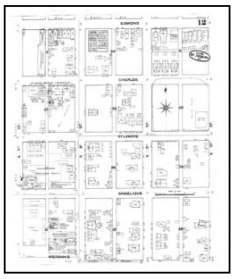
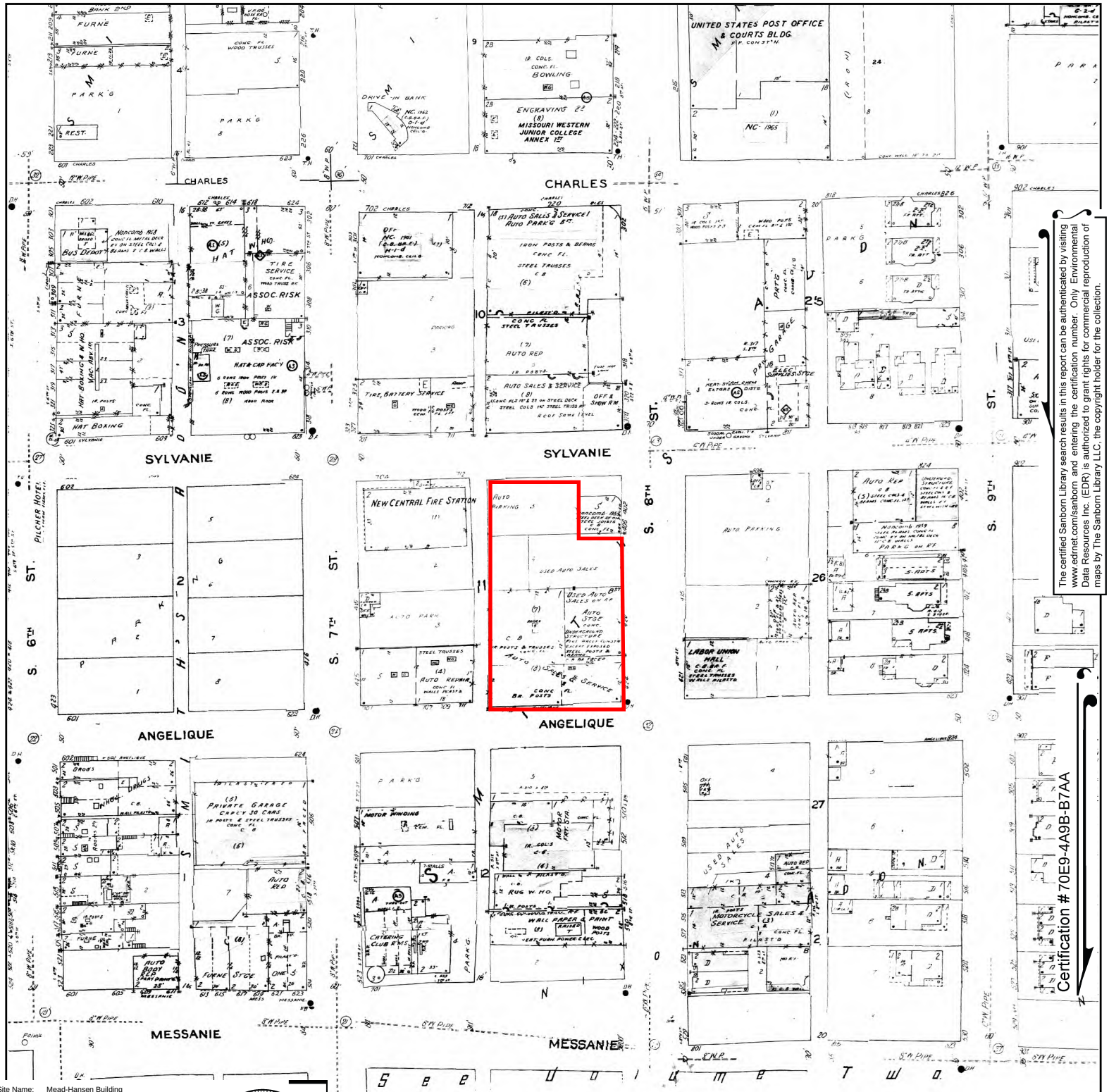
1883 Source Sheets



Volume 1, Sheet 11
1883



Volume 1, Sheet 12
1883



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Copyright	1969

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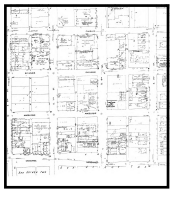

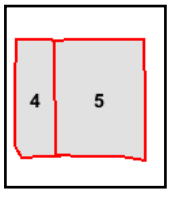

Volume 1, Sheet 5
Volume 1, Sheet 4

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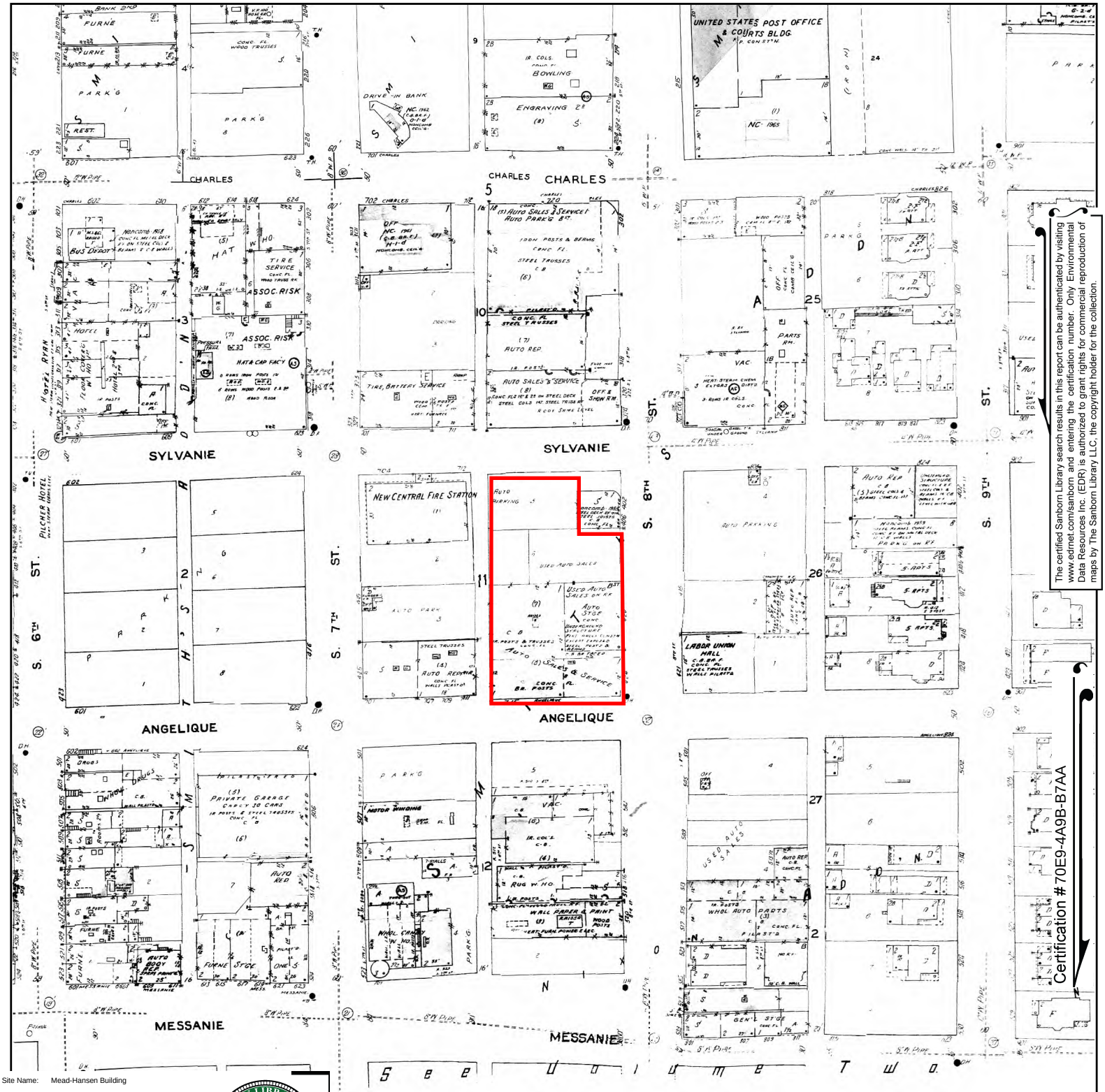

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Copyright	1965

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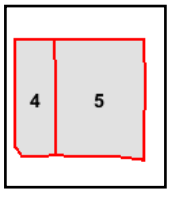

Volume 1, Sheet 5
Volume 1, Sheet 4

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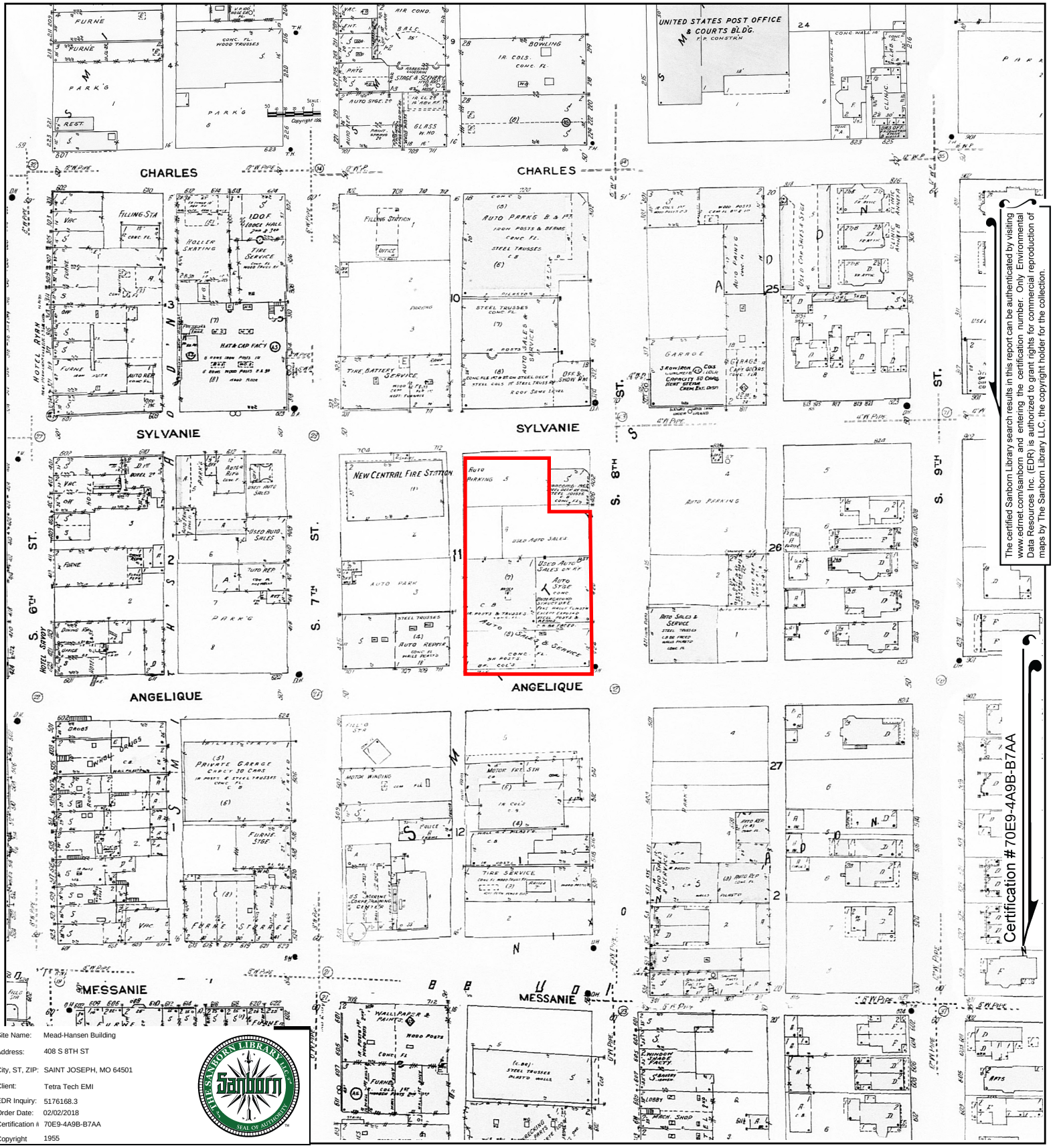
Certified Sanborn® Map

1955



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Copyright	1955

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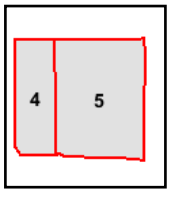

Volume 1, Sheet 5
Volume 1, Sheet 4

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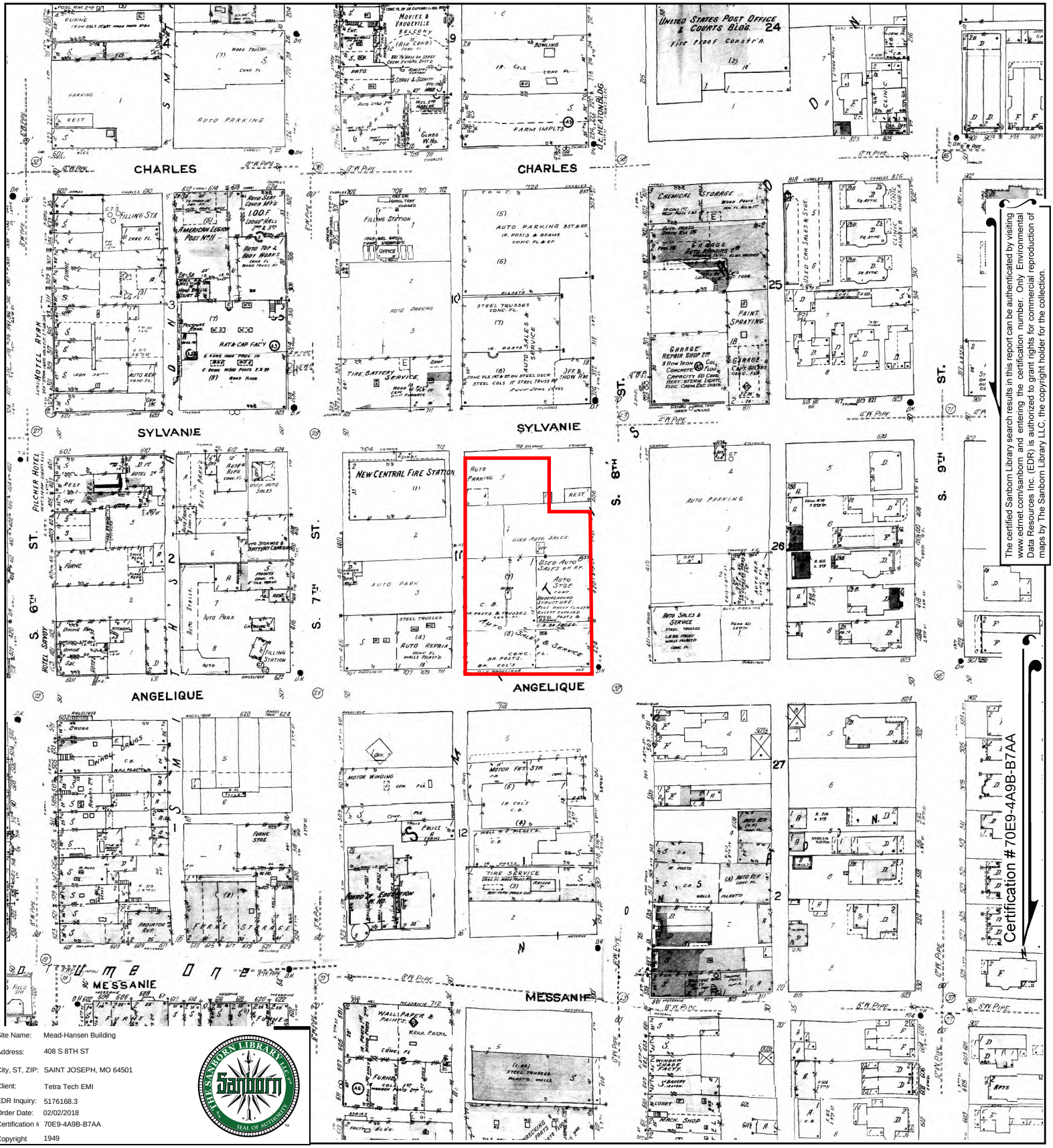

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Certification #:	70E9-4A9B-B7AA
Copyright	1949

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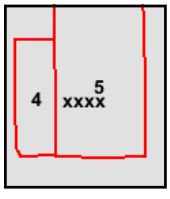

Volume 1, Sheet 5
Volume 1, Sheet 4
Volume 2, Sheet xxxx
Volume 1, Sheet xxxx

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Certification #:	70E9-4A9B-B7AA
Copyright	1911

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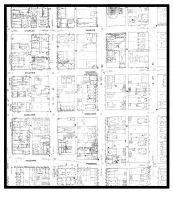

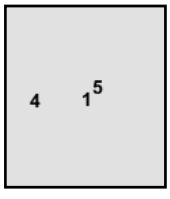

Volume 1, Sheet 5
Volume 1, Sheet 4
Volume 2, Sheet 1

N

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Client:	Tetra Tech EMI
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Certification #	70E9-4A9B-B7AA
Copyright	1904

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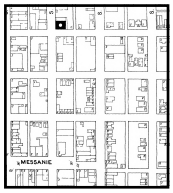

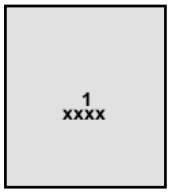

Volume 1, Sheet 1
Volume 1, Sheet xxxx

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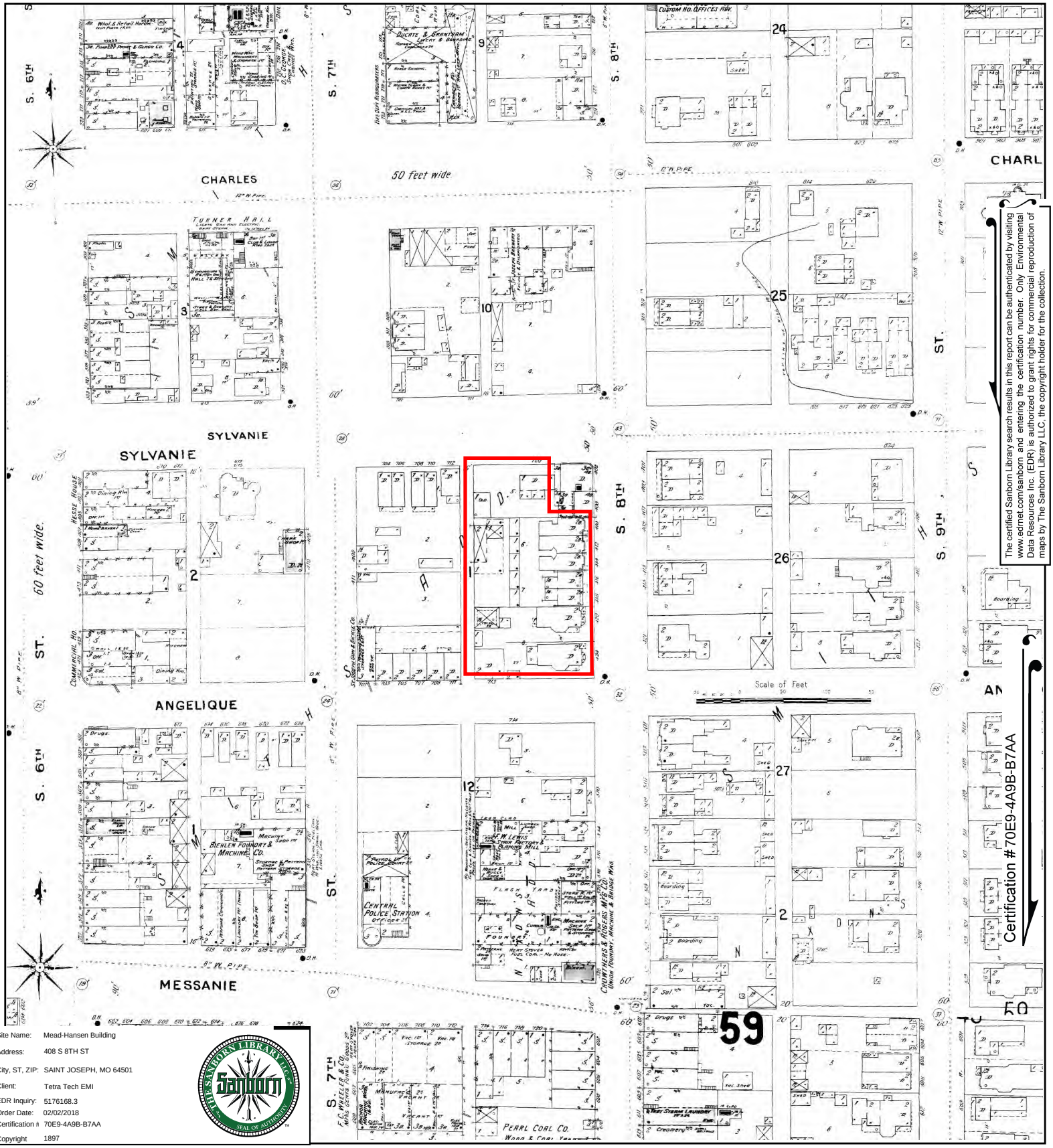

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City, ST, ZIP:	SAINT JOSEPH, MO 64501
Client:	Tetra Tech EMI
EDR Inquiry:	5176168.3
Order Date:	02/02/2018
Certification #:	70E9-4A9B-B7AA
Copyright	1897

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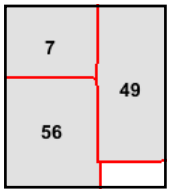

Volume 1, Sheet 49
Volume 1, Sheet 56
Volume 1, Sheet 7

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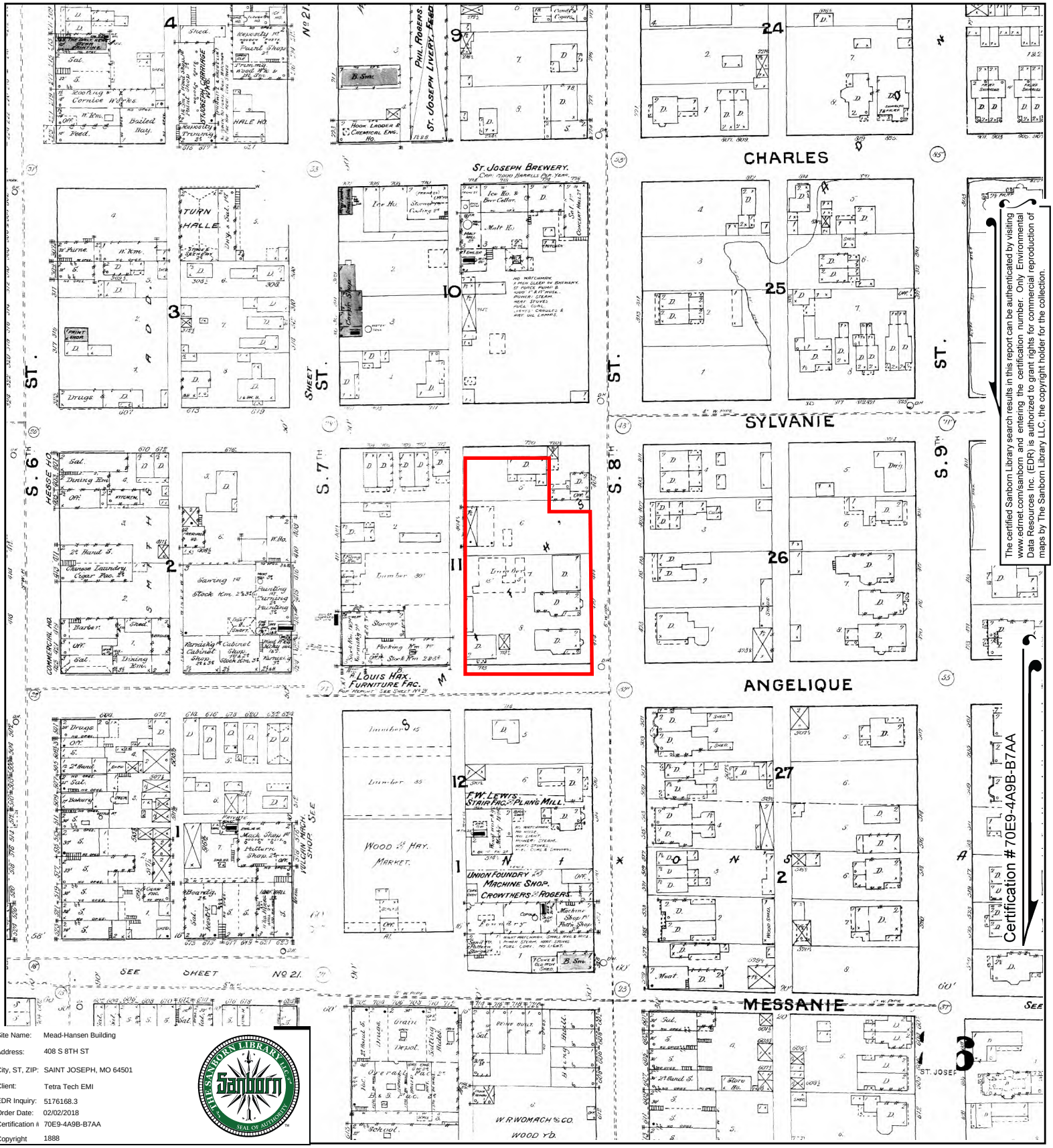

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City, ST, ZIP:	SAINT JOSEPH, MO 64501
Client:	Tetra Tech EMI
EDR Inquiry:	5176168.3
Order Date:	02/02/2018
Certification #	70E9-4A9B-B7AA
Copyright	1888

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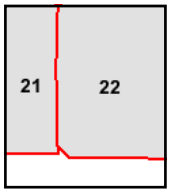

Volume 1, Sheet 22
Volume 1, Sheet 21

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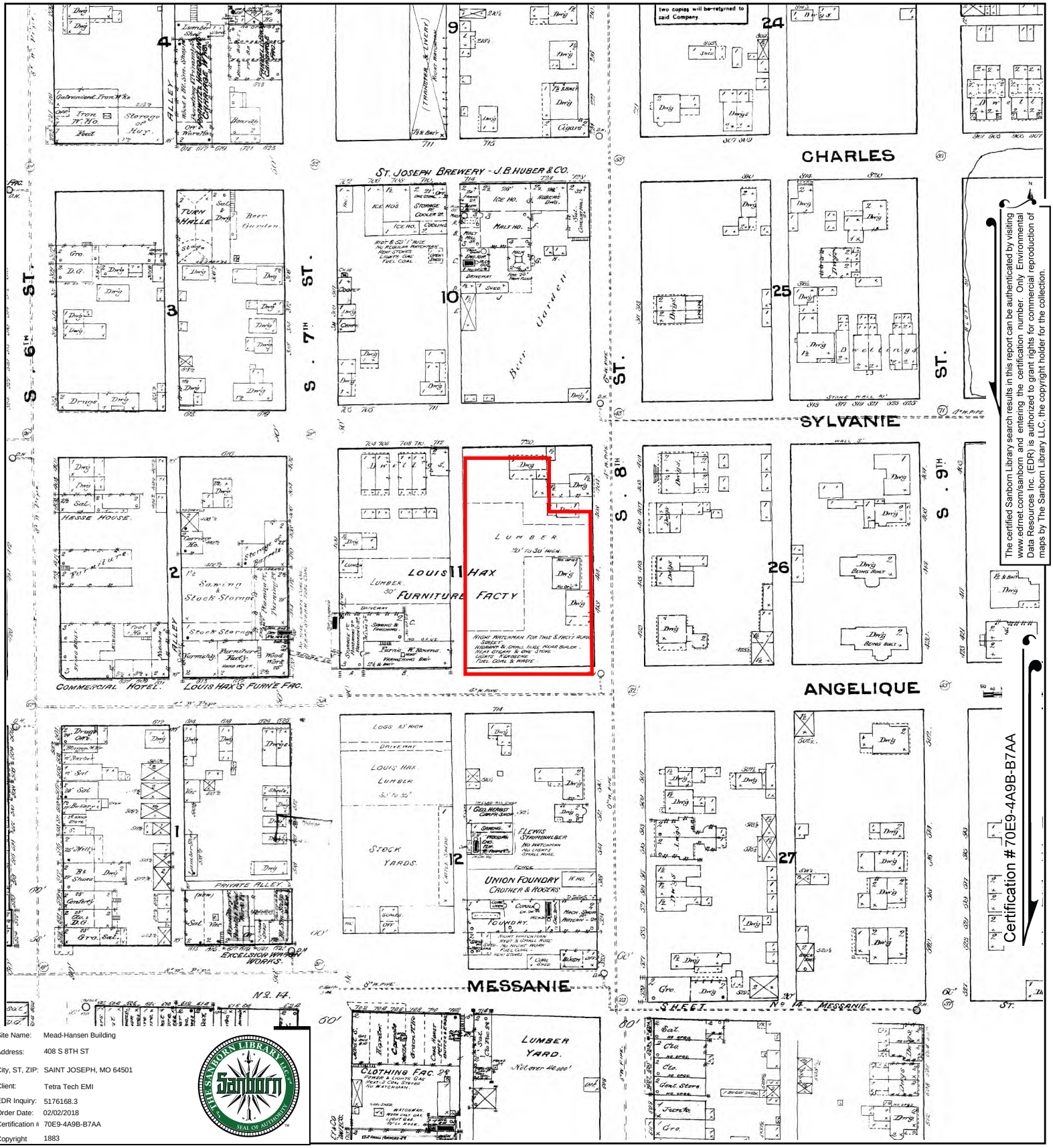

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Address:	408 S 8TH ST
City, ST, ZIP:	SAINT JOSEPH, MO 64501
Client:	Tetra Tech EMI
EDR Inquiry:	5176168.3
Order Date:	02/02/2018
Certification #	70E9-4A9B-B7AA
Copyright	1883

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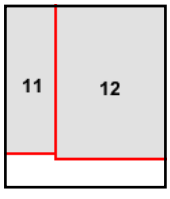
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 12
Volume 1, Sheet 11

N

APPENDIX F-3

HISTORICAL AERIAL PHOTOGRAPHS

Mead-Hansen Building

408 S 8TH ST

SAINT JOSEPH, MO 64501

Inquiry Number: 5176168.9

February 05, 2018

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

02/05/18

Site Name:

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501
EDR Inquiry # 5176168.9

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:

Year	*Scale*	*Details*	*Source*
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2003	1"=750'	Flight Date: April 01, 2003	USGS
1997	1"=500'	Acquisition Date: March 26, 1997	USGS/DOQQ
1991	1"=750'	Flight Date: September 23, 1991	USGS
1986	1"=500'	Flight Date: June 13, 1986	USDA
1983	1"=1000'	Flight Date: May 23, 1983	USGS
1977	1"=500'	Flight Date: March 08, 1977	USGS
1972	1"=500'	Flight Date: March 05, 1972	USGS
1969	1"=500'	Flight Date: April 19, 1969	USGS
1950	1"=500'	Flight Date: June 26, 1950	USGS

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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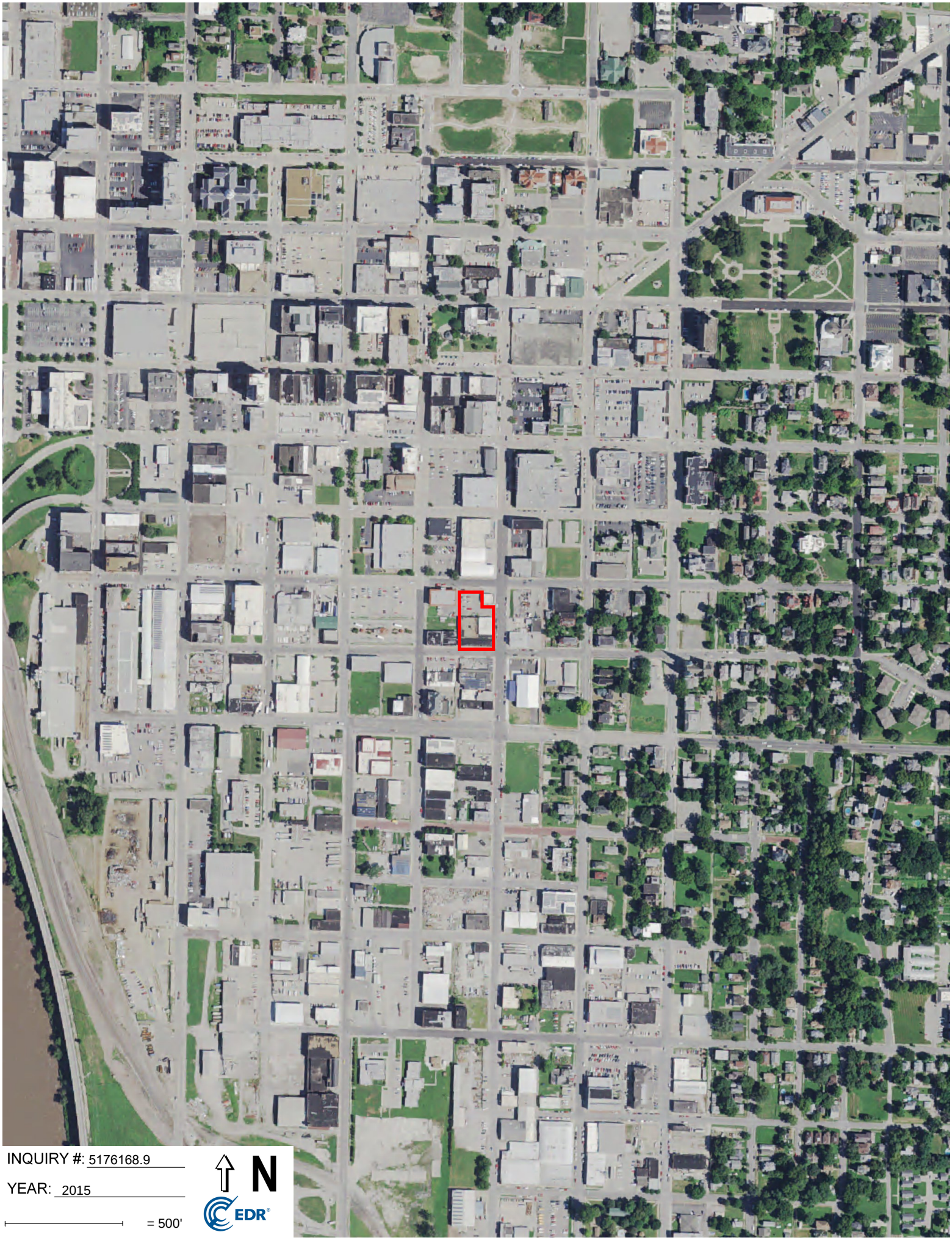


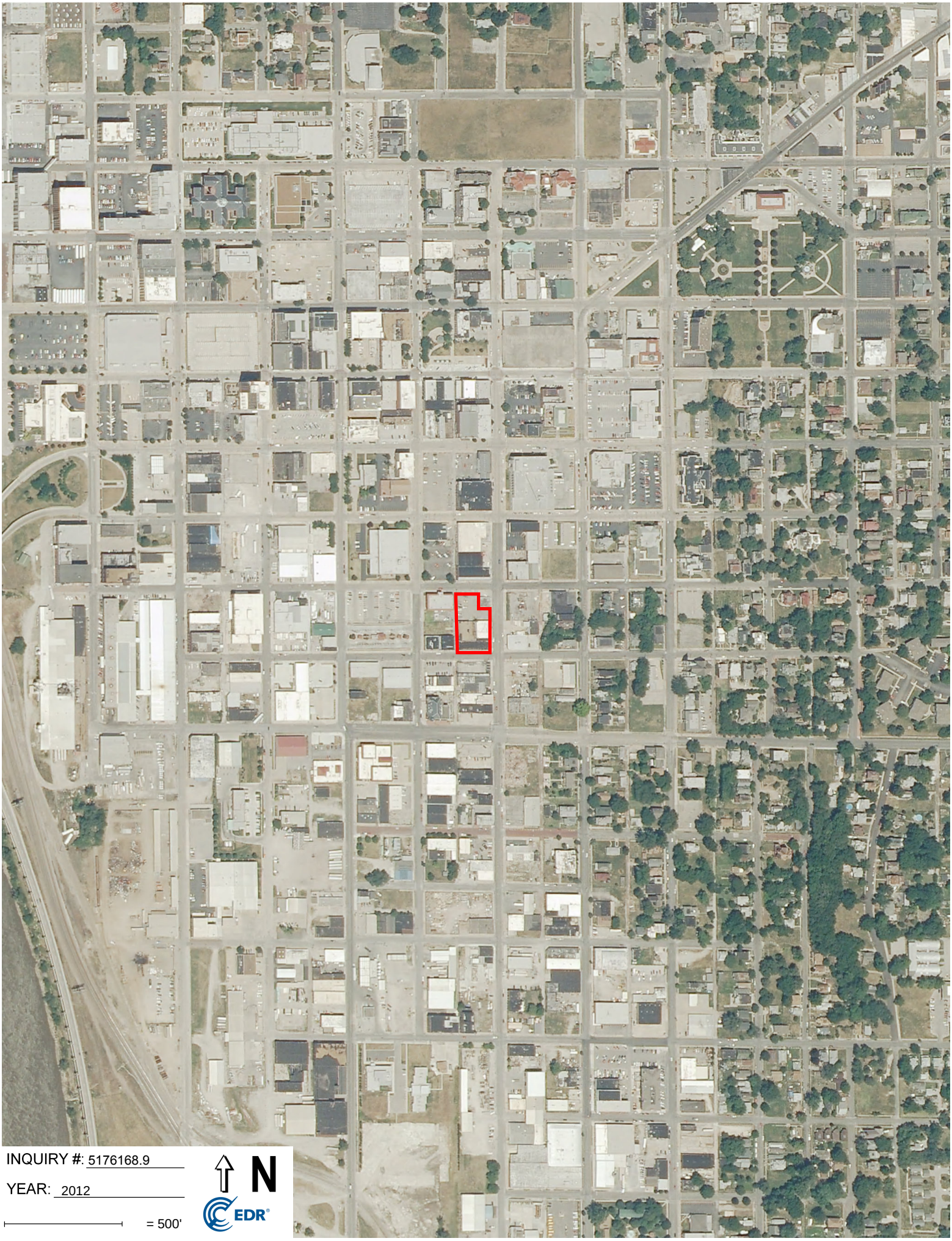
INQUIRY #: 5176168.9

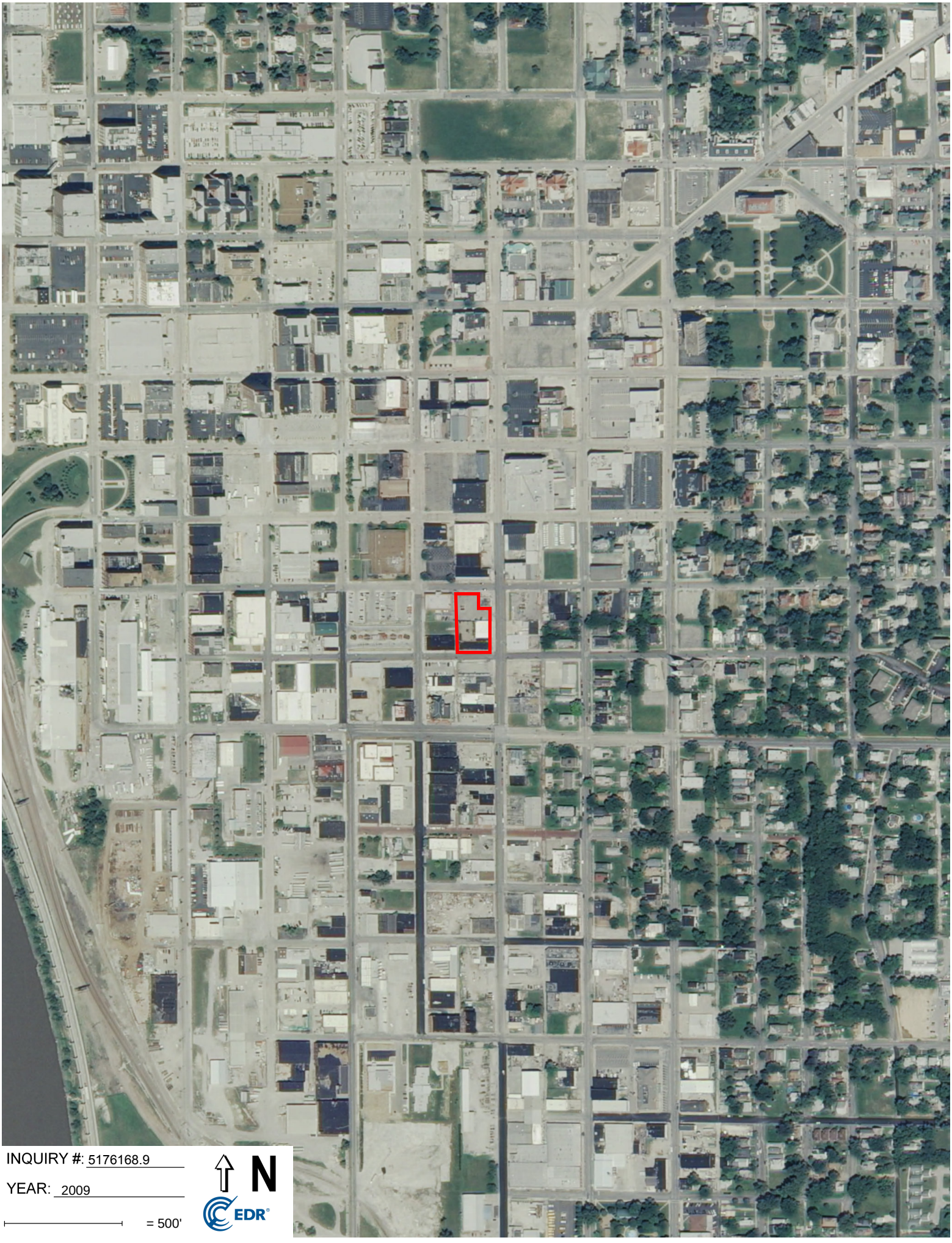
YEAR: 2015

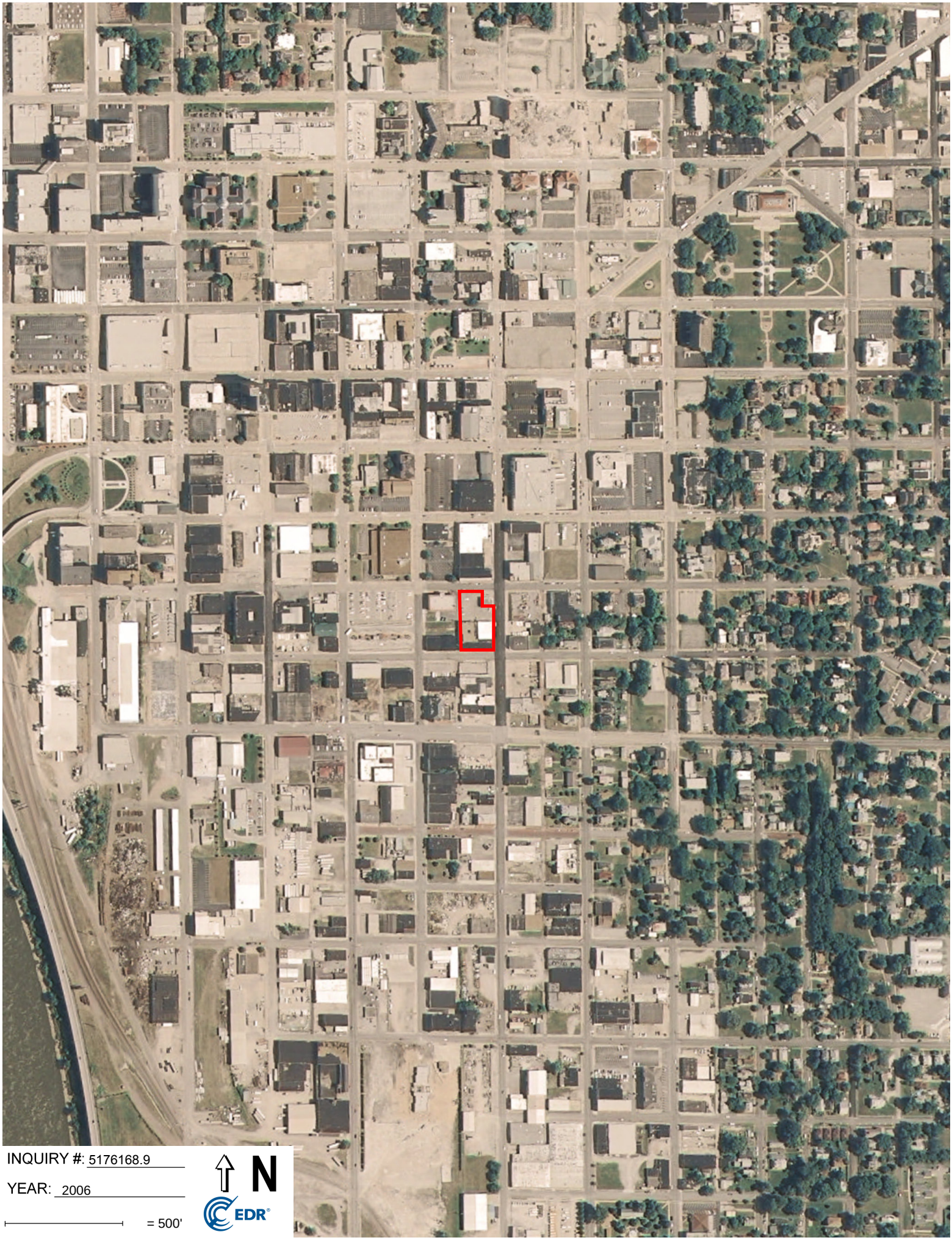
= 500'

N

EDR


INQUIRY #: 5176168.9
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 5176168.9
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5176168.9
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 5176168.9

YEAR: 2003

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5176168.9

YEAR: 1997

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5176168.9

YEAR: 1991

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5176168.9

YEAR: 1986

= 500'

N

EDR

INQUIRY #: 5176168.9

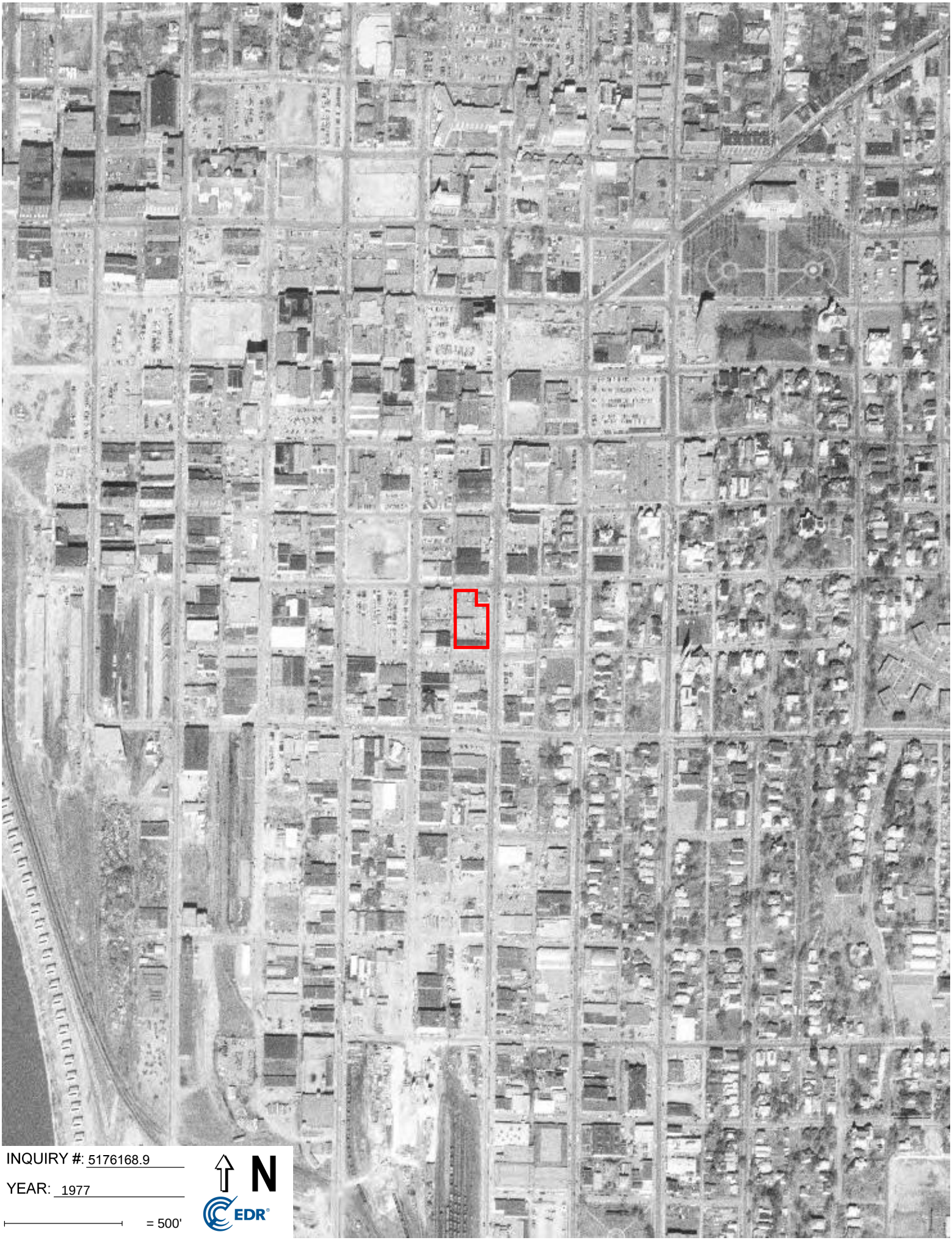
YEAR: 1983

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 5176168.9
YEAR: 1977
= 500'
N
EDR

INQUIRY #: 5176168.9

YEAR: 1972

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5176168.9

YEAR: 1969

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5176168.9

YEAR: 1950

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

APPENDIX F-4

HISTORICAL TOPOGRAPHIC MAPS

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501

Inquiry Number: 5176168.4
February 02, 2018

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

02/02/18

Site Name:

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501
EDR Inquiry # 5176168.4

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. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: 103x9025140002.043

Coordinates:

Latitude:	39.763769 39° 45' 50" North
Longitude:	-94.851045 -94° 51' 4" West
UTM Zone:	Zone 15 North
UTM X Meters:	341447.15
UTM Y Meters:	4403176.92
Elevation:	855.22' above sea level

Maps Provided:

2012, 2014, 2015
1997
1978
1971
1926, 1927
1924

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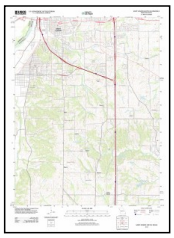
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012, 2014, 2015 Source Sheets

Wathena
2012
7.5-minute, 24000

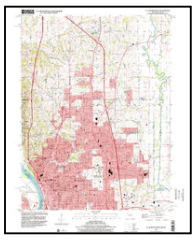
Halls
2014
7.5-minute, 24000



Saint Joseph South
2015
7.5-minute, 24000

Saint Joseph North
2015
7.5-minute, 24000

1997 Source Sheets



St. Joseph North
1997
7.5-minute, 24000
Aerial Photo Revised 1997

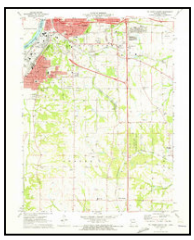
1978 Source Sheets

St. Joseph South
1978
7.5-minute, 24000
Aerial Photo Revised 1977

St. Joseph North
1978
7.5-minute, 24000
Aerial Photo Revised 1977

1971 Source Sheets

St. Joseph North
1971
7.5-minute, 24000
Aerial Photo Revised 1969



St. Joseph South
1971
7.5-minute, 24000
Aerial Photo Revised 1969

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

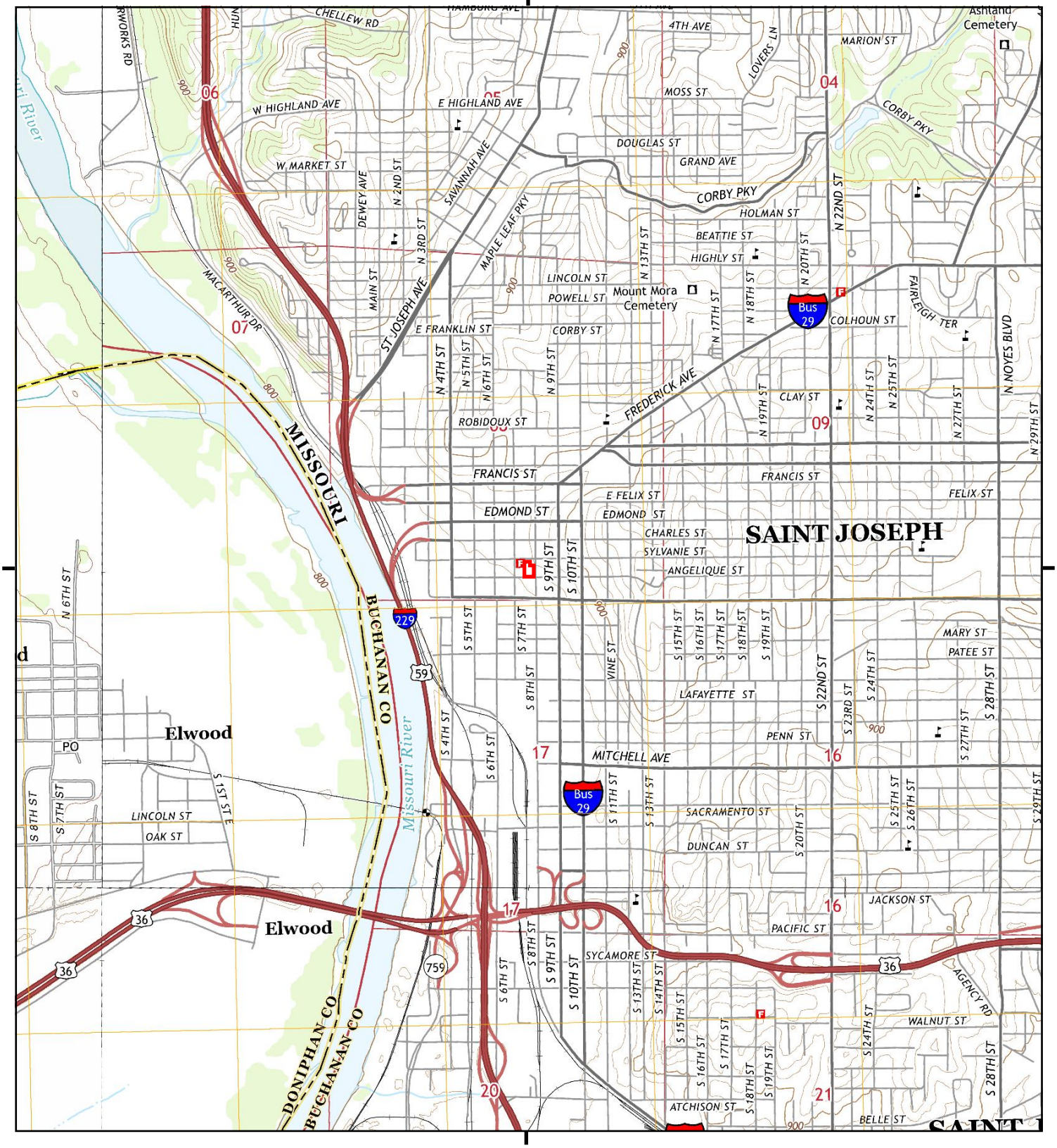
1926, 1927 Source Sheets

St. Joseph
1926
15-minute, 62500

Dearborn
1927
15-minute, 62500

1924 Source Sheets

St. Joseph
1924
15-minute, 62500



This report includes information from the following map sheet(s).

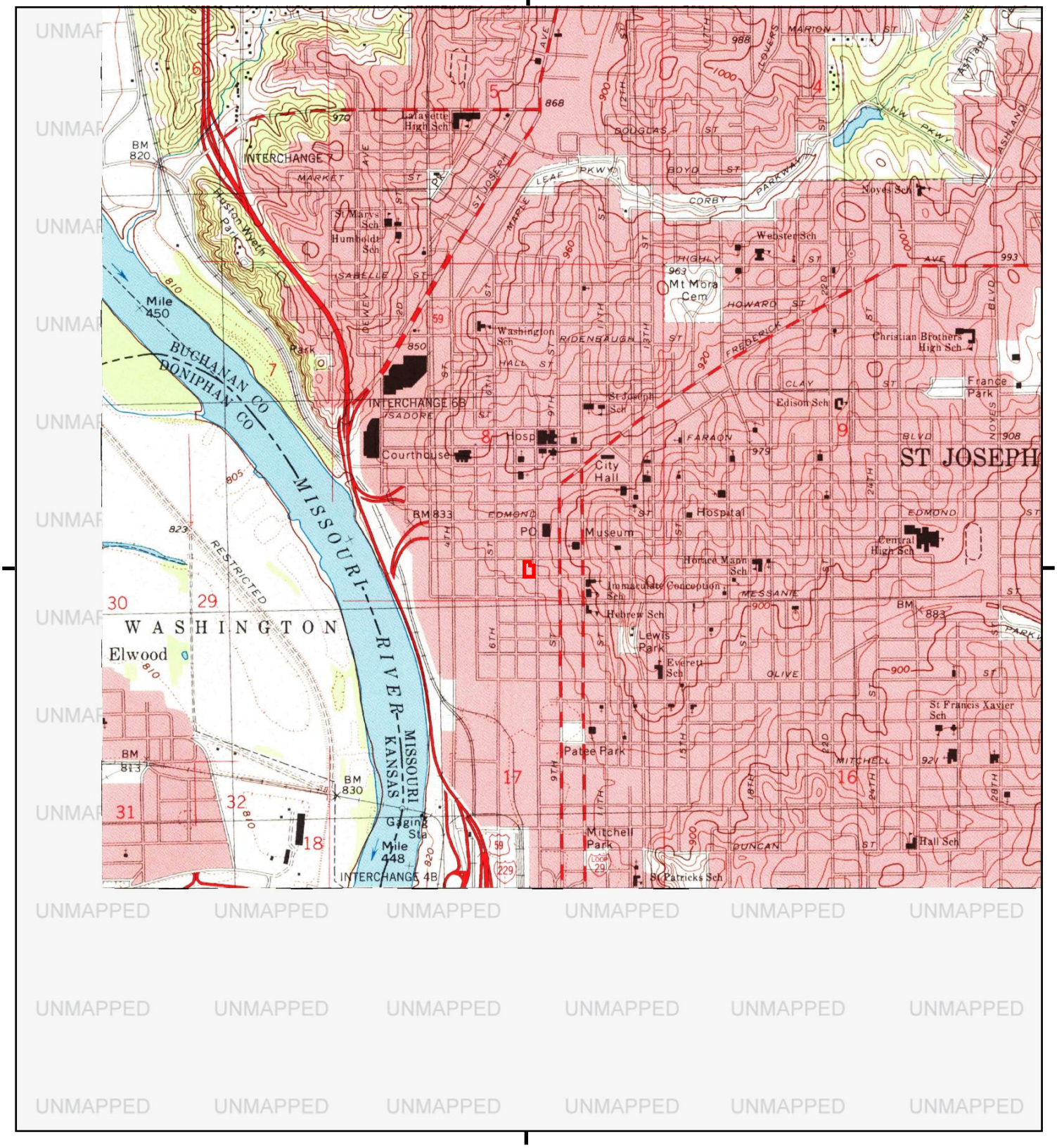
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Saint Joseph North, 2015, 7.5-minute
S, Saint Joseph South, 2015, 7.5-minute
SW, Halls, 2014, 7.5-minute
NW, Wathena, 2012, 7.5-minute

SITE NAME: Mead-Hansen Building
ADDRESS: 408 S 8TH ST
SAINT JOSEPH, MO 64501
CLIENT: Tetra Tech EMI

N



This report includes information from the following map sheet(s).

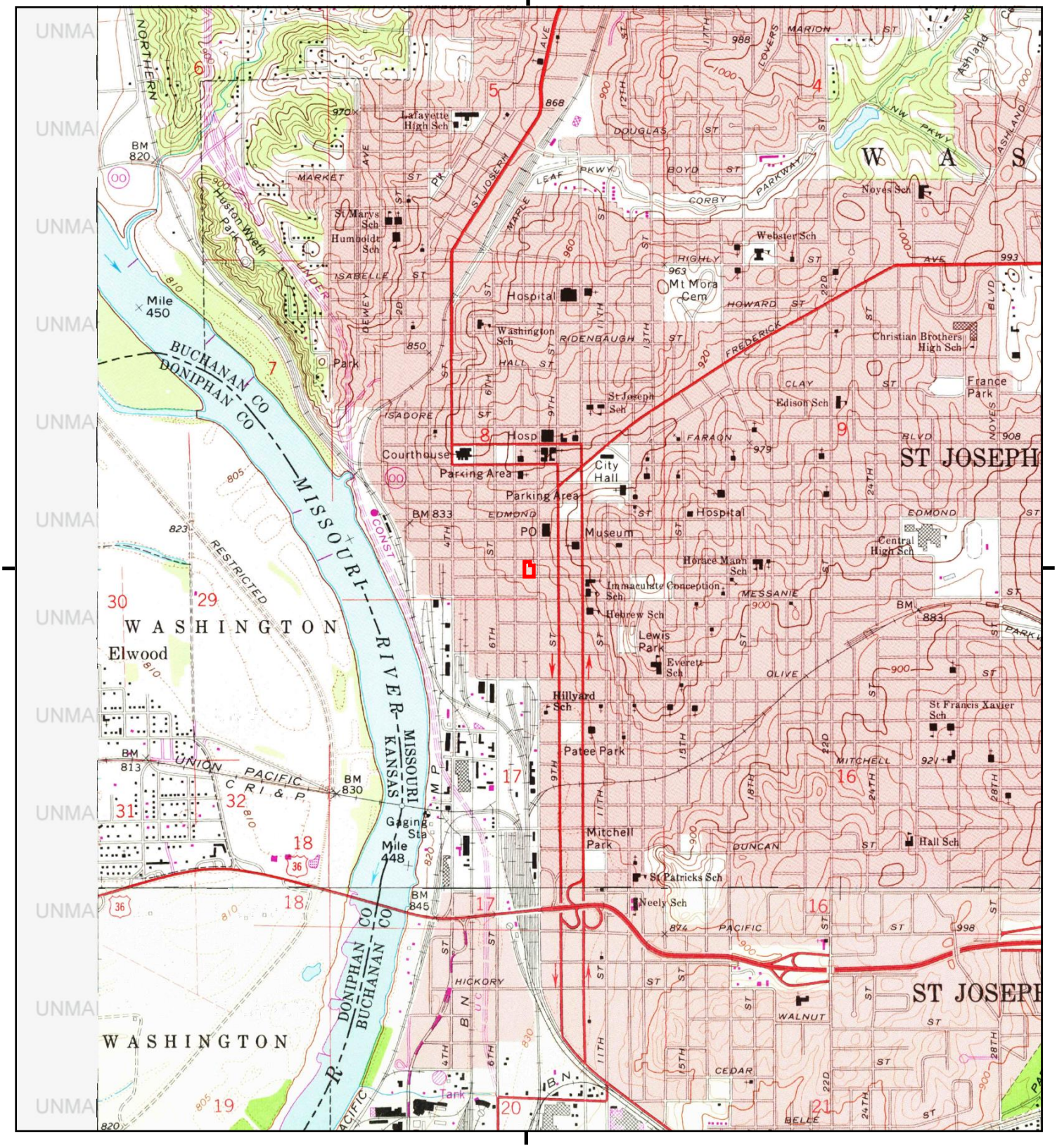
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, St. Joseph North, 1997, 7.5-minute

SITE NAME: Mead-Hansen Building
ADDRESS: 408 S 8TH ST
SAINT JOSEPH, MO 64501
CLIENT: Tetra Tech EMI

N



This report includes information from the following map sheet(s).

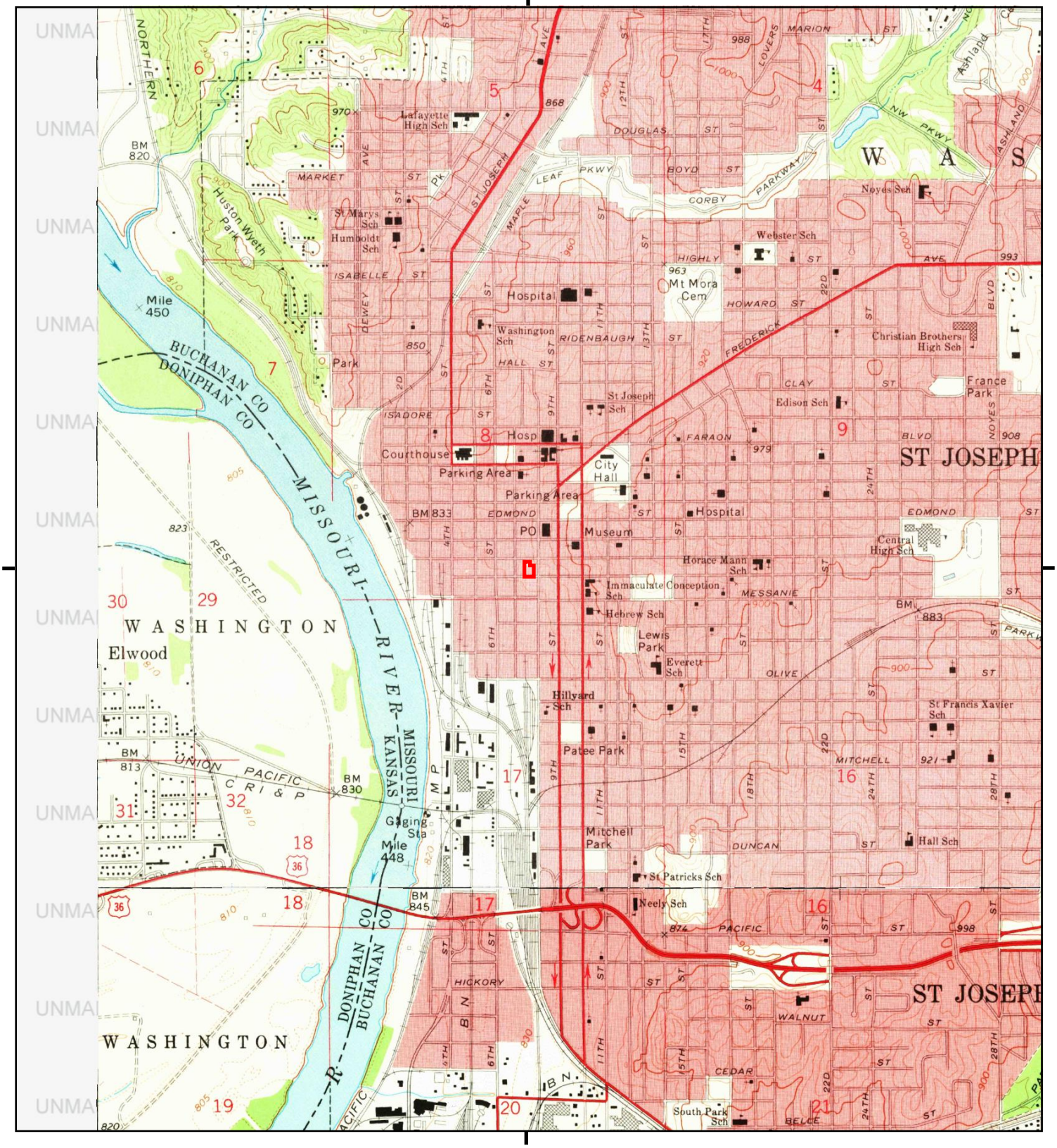
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, St. Joseph North, 1978, 7.5-minute
S, St. Joseph South, 1978, 7.5-minute

SITE NAME: Mead-Hansen Building
ADDRESS: 408 S 8TH ST
SAINT JOSEPH, MO 64501
CLIENT: Tetra Tech EMI

N



This report includes information from the following map sheet(s).

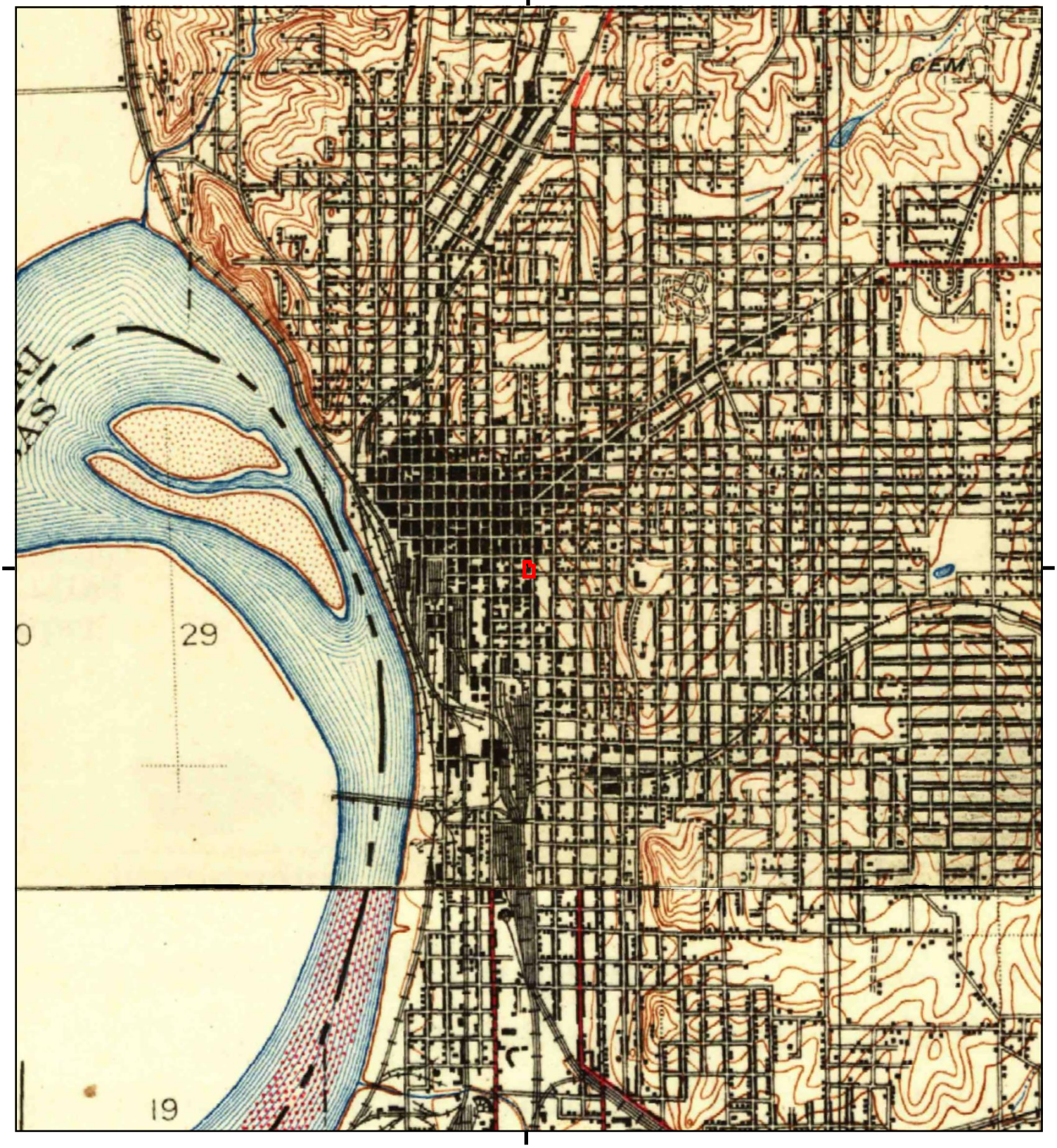
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, St. Joseph North, 1971, 7.5-minute
S, St. Joseph South, 1971, 7.5-minute

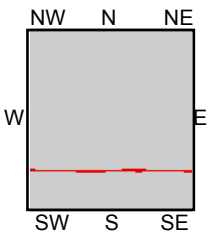
SITE NAME: Mead-Hansen Building
ADDRESS: 408 S 8TH ST
SAINT JOSEPH, MO 64501
CLIENT: Tetra Tech EMI

N



This report includes information from the following map sheet(s).

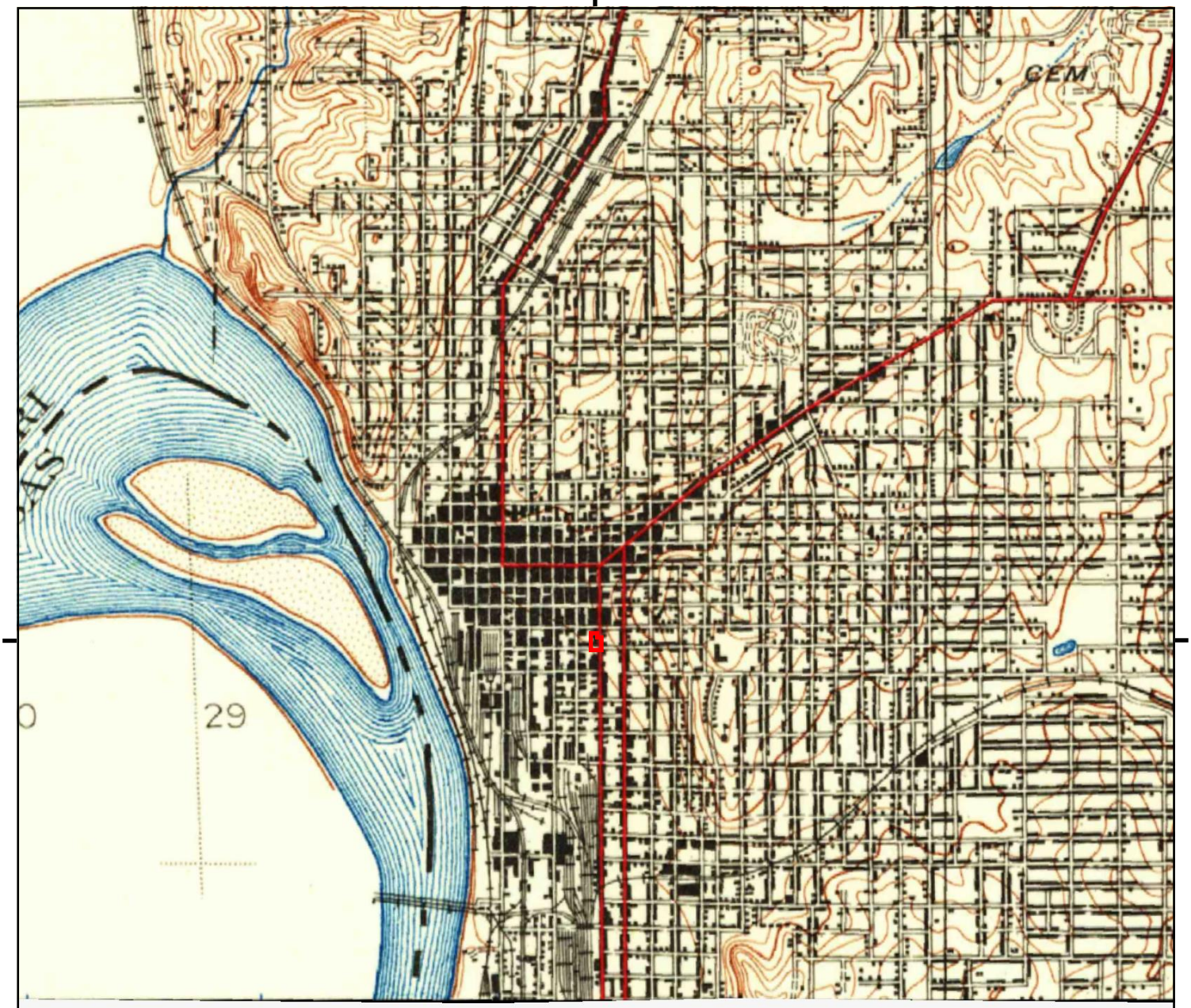
0 Miles 0.25 0.5 1 1.5



TP, St. Joseph, 1926, 15-minute
S, Dearborn, 1927, 15-minute

SITE NAME: Mead-Hansen Building
ADDRESS: 408 S 8TH ST
SAINT JOSEPH, MO 64501
CLIENT: Tetra Tech EMI

N



UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, St. Joseph, 1924, 15-minute

SITE NAME: Mead-Hansen Building
ADDRESS: 408 S 8TH ST
SAINT JOSEPH, MO 64501
CLIENT: Tetra Tech EMI

N

APPENDIX F-5

HISTORICAL CITY DIRECTORY SEARCH

Mead-Hansen Building
408 S 8TH ST
SAINT JOSEPH, MO 64501

Inquiry Number: 5176168.5
February 06, 2018

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Findings

City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1990	☑	☑	Polk's City Directory
1985	☑	☑	Polk's City Directory
1980	☑	☑	Polk's City Directory
1975	☑	☑	Polk's City Directory
1970	☑	☑	Polk's City Directory
1965	☑	☑	Polk's City Directory
1960	☑	☑	Polk's City Directory
1957	☑	☑	Polk's City Directory
1946	☑	☑	Polk's City Directory

EXECUTIVE SUMMARY

Year	***Target Street***	***Cross Street***	***Source***

FINDINGS

TARGET PROPERTY STREET

408 S 8TH ST
SAINT JOSEPH, MO 64501

Year	*CD Image*	*Source*
S 8TH ST		
2014	pg A2	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A6	EDR Digital Archive
2000	pg A8	EDR Digital Archive
1995	pg A10	EDR Digital Archive
1992	pg A12	EDR Digital Archive
1990	pg A14	Polk's City Directory
1985	pg A16	Polk's City Directory
1980	pg A18	Polk's City Directory
1975	pg A20	Polk's City Directory
1970	pg A22	Polk's City Directory
1965	pg A24	Polk's City Directory
1960	pg A27	Polk's City Directory
1957	pg A29	Polk's City Directory
1946	pg A31	Polk's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
S 7TH ST		
2014	pg. A1	EDR Digital Archive
2010	pg. A3	EDR Digital Archive
2005	pg. A5	EDR Digital Archive
2000	pg. A7	EDR Digital Archive
1995	pg. A9	EDR Digital Archive
1992	pg. A11	EDR Digital Archive
1990	pg. A13	Polk's City Directory
1985	pg. A15	Polk's City Directory
1980	pg. A17	Polk's City Directory
1975	pg. A19	Polk's City Directory
1970	pg. A21	Polk's City Directory
1965	pg. A23	Polk's City Directory
1960	pg. A25	Polk's City Directory
1960	pg. A26	Polk's City Directory
1957	pg. A28	Polk's City Directory
1946	pg. A30	Polk's City Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S 7TH ST 2014

106	EVELOFF, PHILIP P
	GRIFFEE, TODD W
	SCHMITT, DAVID
	WOOD, KATHY L
113	GERTSEMA, NICHOLAS
115	ADAMS, ALLEN
117	GENERTNALLY RELEVANT MEDIA LLC
	JAVITTS INC
	JUMBO FOX CORPORATION
	MRW INVESTMENTS INC
	ST JOHN HOLDINGS INC
142	DRUM MONKEY PERCUSSION LLC
206	OCCUPANT UNKNOWN,
218	CBIZ INSURANCE SERVICES INC
	HAWTHORN FINANCIAL CORPORATION
301	LABOR INDUS RELATIONS MO DEPT
	MISSOURI DEPT ECONOMIC DEV
401	ST JOSEPH CITY OF
611	MANNSCHRECK CRAIG
624	APPLIED INDUSTRIAL TECH INC
701	FARMER, ROBERT L
	NUNES, EULA M
	PUCKETT, GEORGE M
703	ADDEN, M
705	ANGOLD, JAMES J
	EGGMAN, MIKAYLA
	LEWIS, GILBERT
707	STOUT, KENNETH
714	ST JOSEPH PLUMBING & HEATING
726	ROSE NAOMI

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 8TH ST 2014

224	ARTCRAFTS ENGRAVING COMPANY
302	TOBIASON STUDIO
305	PRESS ENGRAVING CO INC
402	NATION MARK
415	GARYS METAL SERVICE INC
421	ELECTRICAL WORKERS ASSOC OF ST IBEW LOCAL UNION LOCAL 545 INTERNATIONAL BRTHD ELEC WKRS
510	MOTOR SHOP THE INC
516	FISHER, DAVID A
523	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S 7TH ST 2010

106	ECHTERLING, WAYNE
	GRIFFEE, TODD W
113	GERTSEMA, NICHOLAS
	WURTZLER, SARAH
115	ADAMS, ALLEN
117	GENERTNALLY RELEVANT MEDIA LLC
	JAVITTS INC
	JUMBO FOX CORPORATION
	MRW INVESTMENTS INC
206	FORD, CHRISTOPHER
217	DUNNING FEEDS
218	BAINTER PAUL INS
	CBIZ INC
	HAWTHORN FINANCIAL CORPORATION
301	COMMUNITY ACTN P
	ECONOMIC DEVELOPMENT MO DEPT
	LABOR INDUS RELATIONS MO DEPT
401	ST JOSEPH CITY OF
611	MANNSCHRECK CRAIG
624	APPLIED INDUSTRIAL TECH INC
701	FARMER, ROBERT
	NUNES, HENRY
	SMITH, BATISE R
703	SANTIVENERE, YVONNE G
705	ANGOLD, JAMES J
	BOYER, GLENN M
	COLLINS, DAVID M
	LARISON, JUSTIN
707	STOUT, KENNETH
714	ST JOSEPH PLUMBING & HEATING
726	ROSE NAOMI

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 8TH ST 2010

210	DONALDSON, CHARLES E
224	ARTCRAFTS ENGRAVING COMPANY
302	TOBIASON STUDIO
305	PRESS ENGRAVING CO INC
320	ALL AMERICAN CAB
402	ENCHANTED LEARNING CHILD CARE
404	ACCENT ON SOBRIETY
415	GARYS METAL SERVICE INC
421	ELECTRICAL WORKERS ASSOC OF ST
	IBEW LOCAL UNION LOCAL 545
	INTERNATIONAL BRTHD ELEC WKRS
	INTERNATIONAL BRTHD PAINTE
	INTERNTIONAL UN OPER ENGINEERS
510	MOTOR SHOP
516	FISHER, DAVID
614	C-MAX BODY & PAINT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S 7TH ST 2005

106	ECHTERLING, WAYNE
	EVELOFF, PHILIP
	RANDOLPH, ROBERT
	SCHMITT, DAVID
	WILSON, CONNI E
	WOOD, KATHY L
117	JAVITTS INC
	SAINT JOE PROPERTIES
	SAINTJOEPROPERTIES CO
206	FORD, CHRISTOPHER
215	FRONTIER G I S
	HAW STAFFING ENTERPRISES LLC
218	B&L OF ST JOSEPH LLC
	GREATER RINGS ISLAND GAMING CO
	HAWTHORN FINANCIAL CORPORATION
301	ECONOMC OPP CORP OF GRTR ST JO
	LABOR INDUS RELATIONS MO DEPT
401	ST JOSEPH CITY OF
518	INTEGRITY PAINTING INC
611	MANNSCHRECK CRAIG
619	WELSH PLUMBING & HEATING CO
624	APPLIED INDUSTRIAL TECH
701	BALL, KENNETH A
	COOK, JAMES P
	DENNIS, BOBBIE
	NUNES, CLIFFORD H
	ROACH, TERRY
	SMITH, BATISE R
703	GARDNER, HARRY A
705	BONNETT, CARL
	CAMPBELL, NANCY K
	COLLINS, DAVID M
	HEALD, ROBERT
	JARAMILLO, THOMAS
	QUIMBY, TERRY
	ROBINSON, JOHN
	THORBURN, JEREMY S
	VLEVICK, CALEB
	WEATHERSMON, JOHN
707	STOUT, KENNETH
714	ST JOSEPH PLUMBING & HEATING
726	CENTRAL DISPOSAL SERVICE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 8TH ST 2005

210	DONALDSON, CHARLES E
224	ARTCRAFTS ENGRAVING COMPANY
	DANCE ARTS CENTER ST JOSEPH
302	BATH & KITCHEN ENCOUNTERS INC
	FALKNER III WILLIAM H
305	PRESS ENGRAVING CO INC
320	BOLLMAN KEVIN
	WEBSTER APPLIANCE SALES & SVC
402	SAINT CLOUD MORTGAGE
	SWEET DREAMS PRESCHOOL
404	ALCOHOLICS ANONYMOUS
415	GARYS METAL SERVICE INC
421	I B E W LOCAL 695
	INTERNATIONAL BRTHD ELEC WKRS
	INTERNTIONAL UN OPER ENGINEERS
510	MOTOR SHOP INC
516	FISHER, DAVID
520	BASHFUL BLLYS DSTNCTIVE U CARS
525	OCCUPANT UNKNOWN,
614	C-MAX BODY & PAINT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S 7TH ST 2000

106	TOWNSEND, SHARON K
117	HELPING HAND OF GOODWILL INDS
215	HAWKINS JAMES P INC
218	HAWTHORN FINANCIAL CORPORATION
301	ECONOMC OPP CORP OF GRTR ST JO
	LABOR INDUS RELATIONS MO DEPT
	WORKFORCE DEVELOPMENT IND DEPT
401	CITY OF SAINT JOSEPH
506	YELLOW CAB CO OF ST JOSEPH MO
611	BECKETT, BILL
	MANNSCHRECK CRAIG
615	ENTERPRISE INC
619	WELSH PLUMBING & HEATING CO
624	APPLIED INDUS TECHNOLOGIES-ABC
701	BLAKESLEE, ILONA D
703	BECKETT, NATHAN
705	COLLINS, DAVID
714	ST JOSEPH PLUMBING & HEATING

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 8TH ST 2000

224	ARTCRAFTS ENGRAVING COMPANY
	DANCE ARTS CENTER ST JOSEPH
302	BATH & KITCHEN ENCOUNTERS INC
	FALKNER III WILLIAM H
305	PRESS ENGRAVING CO INC
320	WEBSTER APPLIANCE SALES & SVC
402	J M APPRAISALS INC
404	ALCOHOLICS ANONYMOUS
415	GARYS METAL SERVICE
421	INTERNATIONAL UNION OF
518	MODERN IMPROVEMENT INC
520	BASHFUL BLLYS DSTNCTIVE U CARS
603	DESARI LOUNGE
614	C-MAX BODY & PAINT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S 7TH ST 1995

106	DUTY, THOS
117	HELPING HAND OF GOODWILL INDS
120	AMERICAN LEGION POST 11
218	HAWTHORN FINANCIAL CORPORATION
301	LABOR AND INDUS RELATIONS DEPT
425	AUTO ELECTRIC COMPANY
506	YELLOW CAB CO OF ST JOSEPH MO
507	HARSHMAN MACHINE AND TOOL CO
516	MARSHALLS POOL SERVICE
611	MANNSCHRECK CRAIG
615	ENTERPRISE INC
619	WELSH PLUMBING & HEATING CO
624	ASSOCIATED BEARINGS COMPANY
701	EULER, MICHAEL
	MYNATT, GEROD
	PEIFFER, JOH
705	BLAKELY, MARTHA
	EZELL, DELTA
	LYTTON, D
	MAXWELL, LEROY H III
714	ST JOSEPH PLUMBING & HEATING

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 8TH ST 1995

201	DANNER, PAT
224	ARTCRAFTS ENGRAVING COMPANY
305	PRESS ENGRAVING CO INC
317	CLARK, R J
320	FASTER THAN U
402	J M APPRAISALS INC
	WHITE WILLIAM CPA
415	GARYS METAL SERVICE
421	INTERNTONAL BRTHD OF ELEC WKRS
	PAINTERS LOCAL UNION
424	H P I PRODUCTS INC
504	OCCUPANT UNKNOWNN
510	OCCUPANT UNKNOWNN
	ROBERTS ROOFING COMPANY INC
513	ATLAS AUTO PARTS
516	BLEDSOE, DONALD L
518	BLEDSOE CARPET & LINOLEUM CO
520	PRICE, BILL
603	WATERING HOLE
606	MIDLAND STRUCTURAL SYSTEMS
609	YAGER GROCERY
611	YAGER, WILLIAM T
614	CARMAX AUTO BODY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S 7TH ST 1992

120	AMERICAN LEGION POST 11
218	HAWTHORN FINANCIAL CORPORATION
219	BRESHEARS, HOWARD
301	MISSOURI STATE OF
425	AUTO ELECTRIC COMPANY
506	YELLOW CAB CO OF ST JOSEPH MO
507	HARSHMAN MACHINE AND TOOL CO
611	BECKETT, BILL
	MANNSCHRECK BOOK STORE INC
615	F B F INC
619	WELSH PLUMBING & HEATING CO
624	ASSOCIATED BEARINGS COMPANY
705	KELLY, CHRIS
	KOMER, MELVIN
714	ST JOSEPH PLUMBING & HEATING
716	SARGENT AUTO SERVICE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S 8TH ST 1992

224	ARTCRAFTS ENGRAVING COMPANY
305	DUNVILLE INVESTMENTS INC
	PRESS ENGRAVING CO INC
320	BEST-N REST CORP
402	BRADY INVESTMENTS
	J M APPRAISALS
	WHITE WILLIAM CPA
415	MC GARRY METAL SERVICE
421	INTERNTONAL BRTHD OF ELEC WKRS
510	R & T DIESEL SERVICE
	ROBERTS ROOFING COMPANY INC
513	ATLAS AUTO PARTS
518	BLEDSOE CARPET & LINOLEUM CO
520	PRICE, BILL
606	MIDLAND STRUCTURAL SYSTEMS
609	YAGER GROCERY
611	YAGER, WILLIAM T
614	CARMAX AUTO BODY
618	T R COFFEE & VENDOR REPAIR

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1990

CHARLES ST INTERSECTS

301 State Employment Security Div 387-2380

307 State Employment Security Div (Parking)

325 Vacant

SYLVANIE ST INTERSECTS

St Joseph City Fire Dept (Headqrtrs) 271-4603

St Joseph City Fire Dept (Sta No 1 & Snorkel) 271-4604

400 Municipal Auto Park meters

425 Auto Electric & Magneto Service auto repr 279-6361

ANGELIQUE ST INTERSECTS

506 Yellow Cab Co 279-2777

507 B & C's Enterprises used appl-parts resale & serv 232-9223

511 Storage

516 Vacant

MESSANIE ST INTERSECTS

611 Mannschreck Uphol uphol shop 233-8851

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1990

CHARLES ST INTERSECTS

301 Storage
302 Vacant
305 Graphic Supply & Equipment Co
232-7716
317 Vacant
318 Polsky Motors (stge)
320 Heitman Mattress Co mfg 279-6811

SYLVANIE ST INTERSECTS

402 J M & Associates real est 232-3399
White Wm M cpa 232-0450
Securities America Inc 232-7101
404 Rebirth A A Group soc serv agcy
232-9662
415 Mc Garry Metal Service mtl work wldg
& fabricating 232-2297
421 Grain Millers Local 8
International Brotherhood Of Elec Wkrs
Local 545 232-3578
International Brotherhood Of Elec Wkrs
Local 695 364-1064
United Garment Workers Of American
Local 104
Roofers Local 20c
Painters Local 98 232-7467
424 Vacant

ANGELIQUE ST INTERSECTS

510 Precision Heating & Plumbing Inc
232-5095
513 Atlas Auto Parts 233-2506
Beckley Motors autos 233-2506
518 Vacant
520 Vacant
523 Vacant
525 Vacant

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1985

N 7TH ST—Contd
LOGAN ST INTERSECTS
3301 Luce Wm O © 232-5162
3302 Vacant
3308 Thompson Equipment Services
maintains & serv gas sta equip
Thompson Garland E Jr © 279-0478
3312 Wright Max A © 232-6260
3316 Springs Kenneth E © 233-3547
3402 Clark A Scott © 364-6976
3406 Patton David L © 279-0379
ROOSEVELT AV INTERSECTS

903

7TH ST S —FROM 700 FELIX ST SOUTH TO E HYDE PARK AV

ZIP CODE 64501
106 Blue Valley Building
Floors
1st Fl Brunner & Brunner Architects & Engineers Inc archts & eng 279-0809
106 Echterling Wayne L dentist 232-1991
2d Fl Eveloff Philip lwyr 279-1133
2d Fl Polsky Simon lwyr 279-1133
3d Fl Gasper & Company cpa's 233-3161
3d Fl Gasper Ronald E cpa 233-3161
4th Fl Strop Roberts & Thomas lwyrs 279-0861
5th Fl Saint Joseph Area Chamber Of Commerce 232-4461
STREET CONTINUED
108 Pony Express Coin & Jewelry 232-2993
110 Ryder & Aldrich Optometry Inc optoms 279-2339
111 Vacant
113 Economic Opportunity Corp local non-profit org 233-8281
Economic Opportunity Corp (Hd Start) 233-8036
Economic Opportunity Corp (employment training) 233-7193
Economic Opportunity Corp (Weatherization) 233-3883
Economic Opportunity Corp (Outreach Servs) 233-8281
114 Paris The (Whse)
116 Vacant
116½ Vacant
117 Caster Beauty Academy 232-4489
120½ American Legion Post No 11 279-1435
EDMOND ST INTERSECTS
206 Designs By Gordon florist 232-3331
218 Your Insurance Agency Bldg ofcs
Burnham Simpson Comley & Associates Ins Agcy 233-0201
227 Edmond Parking Plaza (Side Entrance)

904

CHARLES ST INTERSECTS
301 State Employment Security Div 364-2961
307 State Employment Security Div (Parking)
325 Tadlock Tire Inc tires retail 232-7741
SYLVANIE ST INTERSECTS
City Fire Dept Headquarters 271-4603
City Fire Dept Companies (No 1 & Snorkel) 271-4603
City Fire Prevention Bureau 271-4604
400 Municipal Auto Park meters
425 Auto Electric & Magneto Service auto repr 279-6361
ANGELIQUE ST INTERSECTS
506 Yellow Cab Co 279-2777
507 St Joseph Electric Motor Service Inc motor repr 232-1138
511 Storage
516 Vacant
MESSANIE ST INTERSECTS
611 Whse
614 Vacant
615 Poor Boy's Plumbing Outlet (F B F Inc) plmb sups 232-5469
616 Vacant
619 Trailways Inc bus line 279-0011
Trenton St Joseph Coaches 279-7886
624 Parking
627 B-Y Electric 233-8331
LOCUST ST INTERSECTS
701 Mid Town Apartments
1 Bailey Jeri E Mrs
1½ Vacant
2★Savin Curtiss
2½ Hannigan Frank J 233-7812
3 Vacant
4½★Distafano Bruce
707 Mid Town Apartments
1★Cook Billie
1½ Vacant
2 Wilber Arthur E
2½ Vacant
3 Vacant
3½ Pankau Virginia Mrs
4 Vacant
4½★Hoover Robt
714 St Joseph Plumbing & Heating Inc sls & serv 279-0884
Sargent Bill Auto Service 279-6117
MARY ST INTERSECTS
726 Chafen Wrecker Service (Lot No 3)
Cor Vacant
PATEE ST INTERSECTS

2

PATEE ST INTERSECTS
801 Crouse Cartage Co truck line 233-8044
802 Halter Cartage Co truck line 233-7709
Presto-X-Co pest & termite control 232-9277
Ideal Truck Lines 232-2796
Jones Truck Lines 232-9292
Mc Carty Truck Lines 279-5217
Vaught Truck Line 279-5217
Beatrice Foods Co dairy products whol-ret distr 279-7474
813 Thompson G A Inc (Whse)
817 Trenton-St Joseph Coaches (Garage) 232-0375
827 Colony House (Stge)
OLIVE ST INTERSECTS

25

SYCAMORE ST INTERSECTS
2212 Hernandez Frank ©
HICKORY ST INTERSECTS
2308 Vacant
2330 Vacant
2334 Vacant
2404 Vacant

31

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1985

CHARLES ST INTERSECTS

301 Storage
302 Polsky Motors (Stge)
305 No Return
317 Sherman Restaurant Equipment Co 232-1877
318 Polsky Motors (stge)
320 Heitman Mattress Co mfg 279-6811

SYLVANIE ST INTERSECTS

401 Vacant
402 American Heart Assn 233-5864
404 American Heart Assn (Stge)
415 Vacant
421 Grain Millers Local 8
International Brotherhood Of Elec Wkrs Local 545 232-3578
International Brotherhood Of Elec Wks Local No 562 232-0947
International Brotherhood Of Elec Wkrs Local 695 364-1064
United Garment Workers Of American Local 104
Roofers Local 20c
Painters Local 98 232-7467
Electrical Workers Union Local No 545 232-3578
424 Zidell Sales Co variety mdse whol & ret 232-3377

ANGELIQUE ST INTERSECTS

510 American Freight System Inc motor freight 232-6171
513 Atlas Auto Parts 233-2506

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1980

N 7TH ST—Contd
3316 Springs Kenneth E © 233-3547
3402 Vacant
3406 Vacant
(NOT OPEN BEYOND LOGAN ST-ROOSEVELT AV INTERSECTS

903

7TH ST S —FROM 700 FELIX ST SOUTH TO E HYDE PARK AV

ZIP CODE 64501
106 First Federal Building (Ofc Bldg)
106 Echterling Wayne L dentist 232-1991
2d Fl Eveloff Philip lwyr 279-1133
2d Fl Waisblum Richd A certified court reporter 232-6295
301 Vacant
4th Fl Strop Roberts & Hale lwyrs 279-0861
4th Fl Smith & Wood cpa 364-1118
4th Fl First Commercial Corp real estate development 279-2745
4th Fl Bartlett Mortgage Co real estate loans 279-2745
5th Fl Vacant
STREET CONTINUED
108 Pony Express Coin & Jewelry 232-2993
110 Ryder & Aldrich Optical optometrists 279-2339
Aldrich Max T optom 279-2339
Ryder Harvey B optom 279-2339
111 Vacant
113 Economic Opportunity Corp Of Greater St Joseph local non-profit org 233-8281
Economic Opportunity Of Grtr St Joseph (Hd Start) 233-8036
Economic Opportunity Of Grtr St Joseph (Manpower)
March Of Dimes North West Chapter 232-7753
114 Paris The (Whse)
116 Meade's Electronics tv organ & stereo sls & serv 233-1359
116½ Vacant
117 Caster Beauty Academy 232-4489
120½ American Legion Hall 364-9140
Lions Club
American Legion Club 364-9140
Mac Donald-Dugger-Duncan Post No 11 (Am Legion) 279-1275
EDMOND ST INTERSECTS
206 Designs By Gordon florist 232-3331
218 Your Insurance Agency Bldg ofcs
6 Burnham Simpson Comley & Fiquet Ins Agency 233-0201
227 Edmond Parking Plaza (Side Entrance)

904

CHARLES ST INTERSECTS
301 Missouri Div Of Emp Security 364-2961
307 Missouri State Employment (Parking Lot)
325 Tadlock Tire & Service tires retail 232-7741
SYLVANIE ST INTERSECTS
City Fire Dept Headquarters 279-3931
City Fire Dept Companies No 1 & Snorkel 271-4603
City Fire Prevention Bur 271-4604
400 Municipal Auto Park meters
425 Auto Electric & Magneto Service auto repr 279-6361
ANGELIQUE ST INTERSECTS
506 Yellow Cab Co 279-2777
507 St Joseph Electric Motor Service Inc motor repr 232-1138
511 Vacant
516 Private Garage
MESSANIE ST INTERSECTS
607 Kirwan Furniture Co whse
613 Saint Joseph Furnace & Supply Co 232-5469
616 Saint Joseph Furnace & Supply Co whse
619 Clark Carl Sales Co beer whol 279-2821
624 Saint Joseph Furnace & Supply Co parking lot
626 Saint Joseph Furnace & Supply Co stge
630 St Joseph Furnace & Supply Co Whse No 2
LOCUST ST INTERSECTS
701 Mid Town Apartments
1 Hahn Gus 364-4064
2 Perry Ira J 232-0473
2½★Robinson Tammy Mrs 233-9506
3 Vacant
3½ No Return
4½ Vacant
707 Mid Town Apartments
1 White Ernest C
1½ Bennett Lloyd
2 Whisenand Ralph E
2½★Williams Robt L
3★Bailey Gertrude E Mrs
3½ Pankau Carol
4★Moran Cora Mrs 364-5351
4½★Quinn Linda
714 Sargent Bill Auto Service repr 279-6117
MARY ST INTERSECTS
726 Chafen Wrecker Service Lot No 3
PATEE ST INTERSECTS
cor Chafen Wrecker Service garage repr 279-9853

2

PATEE ST INTERSECTS
801 Mid-American Lines Inc mtr frt & trans 232-7797
Crouse Cartage Co truck line 233-8044
802 Riss International 232-2600
Burns Truck Line trucking mtr frt 232-4340
Presto-X-Co pest & termite control 232-9277
813 Thompson G A Inc (Whse)
817 Trenton-St Joseph Coaches (Garage) 279-7886
827 Allstar Moving & Storage Co Inc
OLIVE ST INTERSECTS
(NOT OPEN BET OLIVE AND 1 BLK NORTH OF SYCAMORE ST)

25

2112 Kellers (Stge)
2126 Vacant
SYCAMORE ST INTERSECTS
2212 Hernandez Frank ©
HICKORY ST INTERSECTS
2306 Vacant
2308 Vacant
2318 Vacant
2324 Rowlett Carl

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1980

S 8TH ST—Contd
1st Fl Black Snake Hills Stamp Store philatelic mdse
1st Fl U S Postal Service 364-3231
200 Civil Service Exam Room
201 U S Postal Service (Auxiliary Entrance)
202 US Postal Accounting Ofc 364-3231
203 US Postal Dir Of Finance 364-3305
204 US Postal Service Acct Ofc (Auxiliary Entrance) 279-8161
206 U S Postal Insp 233-3777
209 US Postal Service (Ofc)
212 US Postal Service Dir Of Emp & Labor Relations 364-3305
213 U S Postal Service Personnel Ofc (Aux Entrance)
214 US Postal Services (Personnel Ofc) 364-3305
215 US Postal Personnel Ofc (Auxiliary Entrance) ofc
225 U S Dist Court
229 U S Dist Court Clk 279-2428
302 Internal Revenue Service
308 US Postal Service (Meeting Rm)
310 Internal Revenue Service (Ofc)
311 I R S (Collection Division Rm)
312 I R S (Collection Division Meeting Rm)
313 Internal Revenue Serv Ofc
322 I R S (Storage Rm)
326 State Sales Tax (Auditor Room)
327 State Sales Tax Dept & Division Of Compliance 279-8140
327 State Income Tax Dept & Div Of Compliance 279-8230
329 Coleman Tom state rep 364-3900
331 I R S Conference Room
332 Internal Revenue Service Local Ofc waiting room

STREET CONTINUED
216 Pla-Mor Bowling Lanes 279-0720
216½ Chalk N' Cue billiards 364-9136
220 Fitness Place The (Auxilliary Entrance)
224 Fitness Place The health club 233-6565
224½ Artcrafts Engraving Co photo engr 364-4444

904

CHARLES ST INTERSECTS
301 Vacant
302 Vacant
305 Graphic Services engr 232-7716
317 Freight Salvage & Sales furniture retail 232-9133
320 Heitman's Mattress Co 279-6811

SYLVANIE ST INTERSECTS
401 Vacant
402 American Heart Assn 233-5864
404 Vacant
415 Quality Motors used cars 279-4511
421 St Joseph Missouri Central Labor Council 232-7673
Grain Millers Local 8
International Brotherhood Of Elec Wkrs Local 545 232-3578
Graphic Arts Local No 529 232-7673
Retail Store Employees Union Local No 782
International Brotherhood Of Elec Wks Local No 562 232-0947
Electrical Workers Union Local No 545 232-3578
International Brotherhood Of Elec Wkrs Local 695 364-1064
United Garment Workers Of American Local 104
Roofers Local 89 279-9071
Painters Local 98 232-7467
424 Zidell Sales Co variety merch whol & ret 232-3377

ANGELIQUE ST INTERSECTS
510 Deen Truck Line 232-6704
Heaton Union Truck Terminal 232-6704
Heaton Commercial Express Lines frt trans 232-6704
Heaton Transfer Co frt trans 232-6704
L & E Piggy Back Service Inc trans 232-6704
Mc Carty Truck Lines frt trans 232-6704
One Day Express 233-6704
Pony Express Delivery 232-6704
Vaught Truck Lines 232-6704
Ideal Truck Line 233-1696
Orscheln Bros truck line 232-4888
513 Atlas Auto Parts 233-2506
Beckley Motors autos 233-2506
Beckley Motors B S A motorcycle sls & serv 233-2506
518 Bledsoe Linoleum & Carpet Co 279-2758
520 Schaller Paint & Wallpaper 232-6626
523 Vacant
1 Vacant
2 Vacant
3 Vacant
5★Clayton Earl W 233-5308
6★Leffler Leroy 279-9625
7 Vacant
8★Cox James

MESSANIE ST INTERSECTS
601 Schaller's Whse No 2
605 Deseri The tavern 364-9147
606 Trailways Inc bus sta 279-0011
Trenton St Joseph Coaches 279-7886
607 Hoecker Stge
609 Yager Grocery
611 Yager Grocery (Auxiliary Entrance)
Yager Wm T 232-2437
612 Vacant
614 Vendamerica all types vending 279-0014
1★Berry Simon
2 Vacant
3 Vacant
4 Shackleford Wm R
6 Andorfer Donald A 232-0296
615 Vacant

Target Street	Cross Street	Source
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S 7TH ST 1975

CHARLES ST INTERSECTS

301 State Div Of Emp Security 279-6311

307 Missouri State Employment (Parking Lot)

325 Goodrich B F Tire Co 232-7759

SYLVANIE ST INTERSECTS

City Fire Dept Headquarters 279-3931

City Fire Dept Companies No 1 & 3 279-3933

City Fire Prevention Bur 279-3933

400 Municipal Auto Park meters

425 Auto Electric & Magneto Service auto repr 279-6361

ANGELIQUE ST INTERSECTS

506 Yellow Cab Co 279-2777

507 Industrial Electric Motor Service Corp repr 232-1138

516 Kirwan Furn (Stge)

MESSANIE ST INTERSECTS

607 Kirwan Furniture Co whse

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1975

S 8TH ST—Contd
Belt Center Corp land development 233-9511
Simedo Enterprises Inc land development 233-9511
Sisson-Kline Construction Co genl constn 233-9511
Urban Land Projects Inc land development 233-9511
Woods Chapel Inc land development 233-9511
201 Federal Building
Lobby Vacant
Rooms
5 U S Postal Services Ofcs
6 U S Post Ofc (Tel Equip)
7 U S Post Ofc record rm
8 U S Social Security Admn 233-2511
12 Vacant
14 Fed Bur Of Investigation 232-1800
16 Vacant
22 U S Postal Services Ofcs
25 U S Postal Services Ofcs
26 U S Postal Services Ofcs
28 U S Postal Services Ofcs
1st Fl U S Postal Service 279-0851
200 U S Farmers Home Admn 232-6936
202 U S Fish & Wildlife Serv
203 U S Postal Insp (Ofc)
05 Meeting Room
207 U S Postal Insp 233-3777
209 U S Civil Serv Comn (Exam Room)
212 U S Marshal
214 Saint Joseph Postal Employees Credit Union 279-1160
215 St Joseph Postal Employees Credit Union ofc
225 U S Dist Court
229 U S Dist Court Clk 279-2428
302 Internal Revenue Service 392-4200
308 Vacant
310 U S Wage & Hour & Pub Contracts Div 233-8112
313 Internal Revenue Serv Ofc
322 U S D A Agricultrual Stabilization & Conservtn Serv 232-1225
28 U S Selective Service Board Area 5 279-8161
327 Vacant
331 Vacant
STREET CONTINUED
216 Pla-Mor Bowling Lanes 279-0720
216½ Chalk N' Cue billiards 232-0458
220 Weight Watchers weight reduction program 232-3177
224 Mid-America Health Spa 233-6565
224½ Artcrafts Engraving Co photo engr 279-2574

904

CHARLES ST INTERSECTS
301 Vacant
302 Girner Olds G M C Inc 279-2711
305 Graphic Services engr 232-7716
317 Midland Leasing Inc car & truck rentals 232-1174
Hertz Rent-A-Car 232-1174
320 Heitman's Mattress Co 279-6811
SYLVANIE ST INTERSECTS
401 Griner Olds Inc used cars 279-7865
402 Century Finance Co loans 279-2785
Swafford Motor Co used cars 232-2212
Swafford Realty Co 232-2212
404 Vacant
415 Vacant
421 Construction Workers Building Trades Credit Union
International Brotherhood Of Elec Wkrs Local 545 232-3578
Graphic Arts Local No 9b 232-7673
Retail Store Employees Union Local No 782 232-6652
International Brotherhood Of Elec Wks Local No 562 232-0947
Electrical Workers Union Local No 545 232-3578
International Brotherhood Of Elec Wkrs Local 695 364-1064
United Garment Workers Of American Local 104
424 Zidell Sales Co variety merch whol & ret 232-3377
ANGELIQUE ST INTERSECTS
510 Deen Truck Line 232-6704
Heaton Union Truck Terminal 232-6704
Globe Delivery 233-6704
Heaton Commercial Express Lines frt trans 232-6704
Heaton Transfer Co frt trans 232-6704
Hyman Freight Lines Inc 232-4469
All American Transport Inc 233-5603
L & E Piggy Back Service Inc trans 232-6704
Mc Carty Truck Lines frt trans 232-6704
One Day Express 233-6704
Pony Express Delivery 232-6704
Vaught Truck Lines 232-6704
Ideal Truck Line 233-1696
Crouse Cartage Co truck line 233-0110
Nebraska Iowa Truck Lines 364-1666
513 Atlas Auto Parts 233-2506
Beckley Motors autos 233-2506
Beckley Motors B S A motorcycle sls & serv 233-2506
518 Bledsoe Linoleum & Carpet Co 279-2758
520 Schaller Paint & Wallpaper 232-6626
523 Bell David
Meek Gertie
525 Schaffer Charles
MESSANIE ST INTERSECTS
601 Vacant
605 Desari Lounge 232-0391
606 City Sales Co (Whse) beer distrs
607 Hoecker Carl Electric Co electrical contr 232-1500
609 Yager Grocery
611 Yager Grocery (Auxiliary Entrance)
Yager Wm T 232-2437
612 Kirwan Furniture Stge
614 Kirwan's Upholstering 233-8851
614½ Moreland Maurine M Mrs © 233-3026
★Shackelford Billy R
615 Eighth Street Furniture Co used
Cook Roy
617½ Vacant
618 K & B Catering Co Stge
619 Vacant
620 K & B Catering Co 279-0439
621 Vacant
622 K & B Catering Co (Auxiliary Ent)
625 Vacant
627 Phillips Salvage (Grocery Whse)

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1970

S 7TH ST—Contd
302 Stevens Hat Mfg Co Inc (Stge)
306 Stevens Hat Mfg Co (Stge)
307 Swafford Development Co (Parking Lot)
314 Vacant
325 Goodrich B F Tire Co 232-7759
SYLVANIE ST INTERSECTS
City Fire Dept Headquarters 279-3931
City Fire Dept Sta No 1 & 3 279-3933
City Fire Prevention Bur 279-3933
400 Municipal Auto Park meters
425 Auto Electric & Magneto Service auto repr 279-6361
ANGELIQUE ST INTERSECTS
506 Yellow Cab Co 279-2777
507 Industrial Electric Motor Service Corp repr 232-1138
509 Canteen Co Of St Joseph side ent
516 Frank & Frye Auto Service auto repr 233-0776
MESSANIE ST INTERSECTS
607 Kirwan Furniture Co whse
613 Saint Joseph Furnace & Supply Co 232-5469
616 Saint Joseph Furnace & Supply Co whse
619 Reuter Wholesale Beer Distributors 279-2821
624 Saint Joseph Furnace & Supply Co parking lot

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1970

CHARLES ST INTERSECTS

301 Vacant
302 Summers Olds Inc 279-2711
305 Graphic Services engr 279-2967
315 Downtown Rent-A-Car Inc 232-1174
317 Hertz Rent-A-Car 232-1174
320 Heitman's Sanitary Mattress Co 279-6811

SYLVANIE ST INTERSECTS

401 Summers Olds Inc used cars 279-7865
402 Century Finance Co loans 279-2785
Swafford Development Co street paving 232-2212
Swafford Motor Co used cars 232-2212
Swafford Realty Co 232-2212
404 Intrastate Creditors Service
414 Hansen-Mead Motor Co Inc (Used Car Lot)
415 City Ambulance Service 233-8288
417 Bookbinders Local No 9 232-3578
Bookbinders Local No 9 (Westab Division)
International Brotherhood Of Elec Wkrs Local 545 232-3578
Retail Stores Employees Union Local No 782 labor union 232-6652
421 Electrical Workers Union Local No 545 232-3578
424 Hansen-Mead Motor Co Inc auto dlr 232-5401

ANGELIQUE ST INTERSECTS

510 Heaton Union Truck Terminal 232-6704
Consolidated Forwarding Inc frt trans
United-Buckingham Norwalk Freight Lines Inc frt trans 233-4544
Central Transfer 232-6704
Denver-Chicago Trucking 232-6704
Heaton Commercial Express Lines frt trans 232-6704
Heaton Transfer Co frt trans 232-6704
L & E Piggy Back Service Inc trans 232-6704
Mc Carty Truck Lines frt trans 232-6704
Pony Express Delivery 232-6704
Red Ball Express 232-6704
Rock Island Motor Transit 232-6704
Snider Truck Lines 232-6704
Van Truck Lines frt trans 232-6704
Zip Truck Lines frt trans 232-6704
513 Atlas Auto Parts 233-2506
Beckley Motors autos 233-2506
518 Bledsoe Linoleum & Carpet Co 279-2758

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1965

American Legion Club BR9-1275

Edmond st intersects

214-22 Green Hills Super Mkt Inc No 7
AD3-2504

227 Edmond Parking Plaza
side ent

Charles st intersects

301 State Employment Service BR9-6311

302 Stevens Hat Mfg Co Inc stge

306 Vacant

307 Vacant

314 Stevens Hat Mfg Co Inc
BR9-5631

325 Goodrich B F Tire Co AD2-7759

Sylvanie st intersects

se cor City Fire Dept Hq BR9-3931
City Fire Dept Sta No 1 and No 3
BR9-3933
City Fire Prevention Bur
BR9-3931

415 Vacant

425 Auto Elec & Magneto Serv auto repr
BR9-6361

Angelique st intersects

506 Yellow Cab Co BR9-2777

507 McAdoo Elec Co contrs AD2-1138

509 Canteen Co of StJoseph side ent

514 Mooney Moving & Stge Co whse

516 Grim & Frank Auto Serv AD3-0776

Messanie st intersects

607 Kirwan Furn Co whse

613 StJoseph Furnace & Sup Co

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1965

8TH ST N—Contd
Madison st intersects
3001 McDermit Dean D ◎ AD3-6275
3002 Belcher Ollie N AD2-0026
3005 Alexander Phillip J ◎ AD3-5885
3006 Milliken Andrew B ◎ AD3-0527
3016 Stiles Florence I Mrs ◎ BR9-6574
3022 Sollars Jennie M Mrs BR9-8072
3024 Leffler Chas W ◎ BR9-7277
Broadway intersects

24

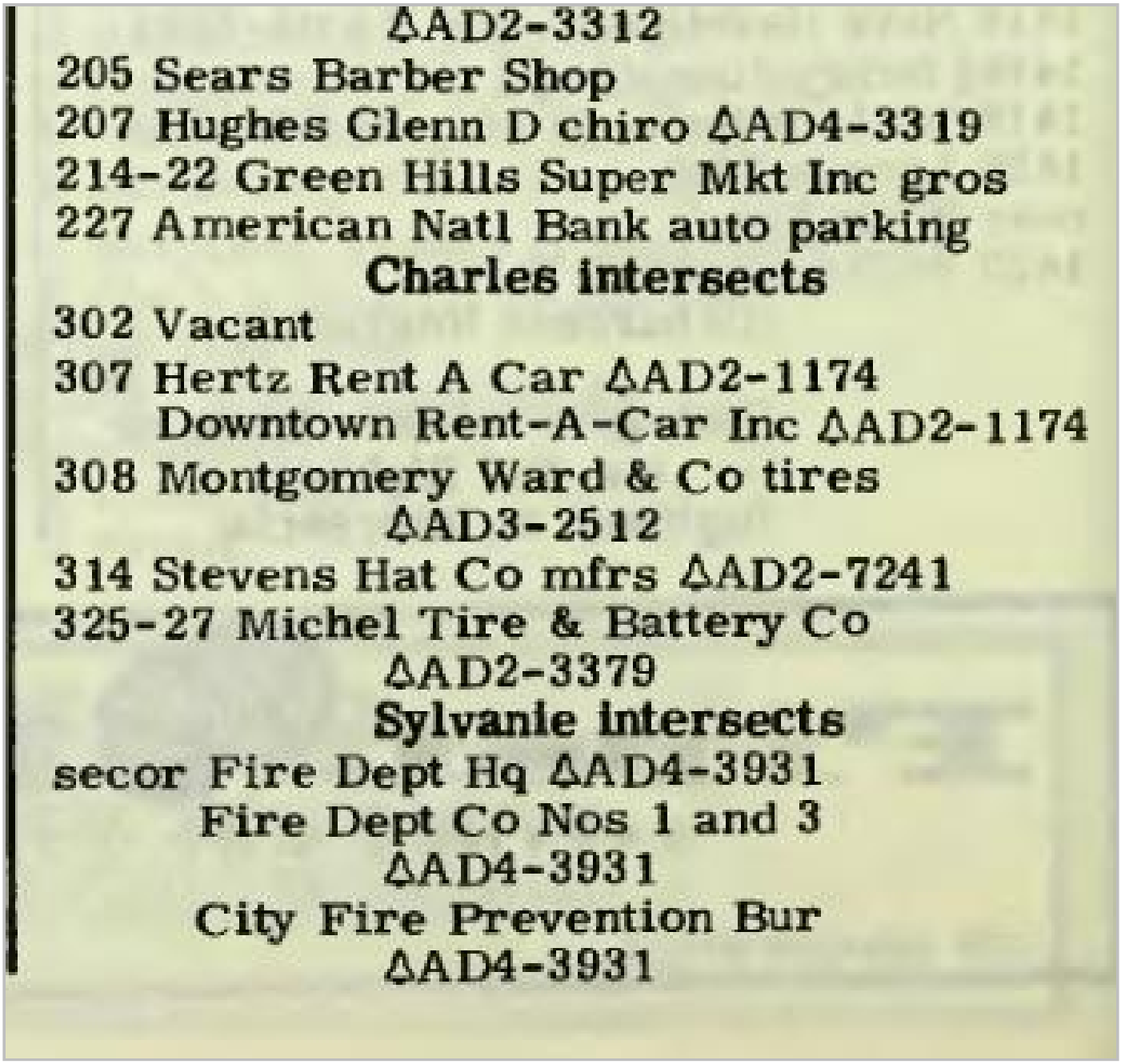
3102 Kerns Hubert M ◎ BR9-1018
rear Vacant
3106 Bendewald Fred C ◎ carp BR9-2011
Green st intersects

1

8TH ST S—From 800 Felix st south to E Hyde Park av
101 Hirsch Bros Dry Goods Co AD2-6733
108 Platt College of Commerce AD2-5463
Taylor Nancy Finishing & Modeling Studio AD2-5463
Speedwriting Shorthand Institute of St Joseph AD2-5463
Weaver Sch of Real Est AD2-5463
American Accts Training Assn AD2-5463
Automation Inst of St Joseph AD2-5463
110 Werner Shoe Co AD2-4766
112 Beneficial Finance Co loans AD2-5481
114 Robinson C E Barber Shop BR9-2983
117 Cook Paint & Varnish Co BR9-2718
118 Strathmann Studio Inc photogs AD2-8092
119 Garlichs Lorren W Ins Agcy BR9-2739
Hastings Robt E ins BR9-2739
120 Vacant
121 Caster Beauty Academy AD2-4489
122 Wolfe's Camera Store Inc AD2-4346
123 Pioneer Finance Co AD3-5195
124 Karras Gust Sport Enterprises promoters AD2-1427
Central States Booking Office agts AD2-1427
128 Lyon Optical Serv AD2-7014
Edmond st intersects
200 Sisson Howard Co Inc real est BR9-7478
Package Loan Corp BR9-3538
208 International Business Machs BR9-7495
216 Pla-Mor Bowling Alleys BR9-0720
220-24 Missouri Western Jr College annex br AD2-7693
224½ Artcrafts Engraving Co BR9-2574
Charles st intersects
301 Vacant
302 Meyers Casey Ford Inc auto dlr BR9-7485
305 Graphic Services engr BR9-2967
315-23 Downtown Rent-A-Car Inc AD2-1174
Hertz Rent-A-Car AD2-1174
Sylvanie st intersects
401 Meyers Casey Ford Inc used cars BR9-7489
402 Capital Finance Co BR9-2785
404 KKJO Radio Sta ofc BR9-6346
414 Hansen Mead Mtr Co Inc used cars lot
415 C&H Automotive Service AD2-6147
417 Intl Brotherhood & Electrical Wkrs Local 545 AD2-3578
Retail Clerks Local No 988 AD2-6652
424 Hansen-Mead Mtr Co Inc autos AD2-5401
Angelique st intersects
510 Vacant
513 Beckley Mtrs autos AD3-2506
Atlas Auto Parts AD3-2506
Beckley Realty Co AD3-2506
518 Bledsoe Linoleum & Carpet Co BR9-2758
520 Schaller Pain & Wallpaper AD2-6626
523 Meek Gertie S Mrs
525 Knowles Viola AD2-4319
Jager Alwilda Mrs AD3-3500
Arbuckle Miniza Mrs AD2-3172
527 Bolin Automotive Sup AD2-4477
529 Hanson's Pet Shop BR9-2988
Messanie st intersects
601 Faith Mission Store used clo br BR9-1980
603 Vacant
605 Fibber & Molly's Tavern AD2-0059
606 Serv-All Motor Parts Co AD3-5188
607 Hoecker Carl A jr contr AD2-1500
609 Vacant
610 Vacant
611 Vacant
614 Reck F C & Co uphol AD2-3717
614½ Moreland Maurine M Mrs ◎ AD3-3026
615 Eighth Street Furn Co used Cook Roy
617½ Miller Adolph W
618 American Commercial Refrigeration Inc AD2-5989
619 Miller's Trading Post stge
620 General Life of Missouri Insurance Co AD3-1822
621 B&B Auto Trim Shop BR9-5066
622 Berry's Henry Serv hydraulic jack repr AD2-9748
625 Braman Jess S ◎ AD3-3206
627 Ehrlich H & Sons Mfg Co Inc fcty
629 Ehrlich H & Sons Mfg Co Inc elec parts AD2-4449
630 Magoon Ben Famous Delicatessen AD2-2411
Locust st intersects
701 Rucker Sup Co auto sups BR9-6344
702 Chilton Paul J stge
712 Auto Body Color Co whol paint BR9-2193
714 StJoseph Refinoil Co
Superior Radiator Serv auto AD3-5211
715 Heitman Sanitary Mattress Co BR9-6811
Mary st intersects
722 Crouch Bros Inc garage
727 Polsky Auto Parts Co AD3-1319
733 King Radio Laby BR9-4600
Patee st intersects
801 Automotive Bearing Serv auto repr AD2-3898
802 Crouch Bros Inc garage
807 Vacant
809 Simmons Lillie Mrs AD2-7061
809½ VanHoutan Della Mrs BR9-6629
811 Vacant
813 Vacant
815 Electro TV Laby repr BR9-1369

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1960



ΔAD2-3312
205 Sears Barber Shop
207 Hughes Glenn D chiro ΔAD4-3319
214-22 Green Hills Super Mkt Inc gros
227 American Natl Bank auto parking
Charles intersects
302 Vacant
307 Hertz Rent A Car ΔAD2-1174
Downtown Rent-A-Car Inc ΔAD2-1174
308 Montgomery Ward & Co tires
ΔAD3-2512
314 Stevens Hat Co mfrs ΔAD2-7241
325-27 Michel Tire & Battery Co
ΔAD2-3379
Sylvanie intersects
secor Fire Dept Hq ΔAD4-3931
Fire Dept Co Nos 1 and 3
ΔAD4-3931
City Fire Prevention Bur
ΔAD4-3931

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1960

7TH S–Contd
415 Vacant
425 Auto Elec & Magneto Serv Co
auto repr ΔAD4-6361
Angelique intersects
501 Hathaway Byron E gas sta
ΔAD2-0488
506 Yellow Cab Co ΔAD4-2777
507 McAdoo Elec Co ΔAD2-1138
509 Vacant
514-20 Mooney Moving & Stge Co
whse
516 Grim & Frank Auto Serv
ΔAD3-0776
Messanie intersects
607-11 Kirwan Furn Co whse
613-15 StJoseph Furnace & Sup Co
ΔAD2-5469
616 Wank Carl A vet ΔAD4-0258
State Veterinarian
ΔAD4-0258

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1960

8TH N—Contd
3106 Brendewald Fred C ® carp ΔAD4-2011
Green intersects

1

8TH S—From 800 Felix south to E Hyde Park av (not open between Garfield av and Court)
108 Platt College of Commerce ΔAD2-5463
Taylor Nancy Fnshg & Modeling Studio ΔAD2-5463
Business Services Co pub sten
Speedwriting Institute of StJoseph ΔAD2-5463
Orkin Exterminators ΔAD4-8363
Weaver Sch of Real Est ΔAD2-5463
110 Werner Shoe Co ΔAD2-4766
112 Beneficial Finance Co loans ΔAD2-5481
113 Under Constn
114 Robinson C E Barber Shop ΔAD4-2983
114½ Murray Arth Studio dancing tchrs ΔAD2-3389
117 Cook Paint & Varnish Co ΔAD4-2718
117½ **Moss Building**
Rooms:
201-02 Vacant
203 Vacant
203½ Vacant
205-11 Vacant
208 Vacant
212 Vacant
Street continued
118 Strathmann Studio photogs ΔAD2-8092
119 Package Loan Corp ΔAD4-3528
Sisson Howard real est ΔAD4-7478
Sisson Howard Ins Agcy ΔAD4-7478
120 Cosmopolitan Shoe Repairing Co ΔAD2-0688
121 Caster Beauty Academy ΔAD2-4489
Caster Beauty Salon ΔAD2-4489
122 Wolfe's Camera Store Inc ΔAD2-4346
Wolfe's Photo Sup ΔAD2-4346
123 Vacant
124 Karras Gust V wrestling promoter ΔAD2-1427
Central Booking Ofc ΔAD2-1427
128 Lyon Optical Service ΔAD2-7014
Edmond intersects
200 MFA Mut Ins Co ΔAD3-3151
202 MFA Security Serv ins ΔAD3-3151
206 Reducing Lady Be Lovely Beauty Salon ΔAD4-1522
208 Terminal Barber Shop ΔAD2-0361
216 Pla-Mor Bowling Alleys ΔAD4-0720
220-24 Montgomery Ward & Co serv dept ΔAD4-8661
Mongomery Ward & Co farm store ΔAD4-1429
224½ Artcrafts Engraving Co ΔAD4-2574
Charles intersects
301 Vacant
302 Modern Mtrs Inc ΔAD4-7485
Robidoux Finance Co ΔAD4-7485
307 Miller Chevrolet Co body shop
315 Vacant
317-23 Swafford Mtr Co used car lot ΔAD4-1646
320 Sanders Motor Co autos ΔAD2-5466
Sylvanie intersects
401-15 Modern Mtrs Inc used cars ΔAD4-7489
402 Capital Finance Co ΔAD4-2785
Swafford Mtr Co ΔAD4-1646
404 KRES Radio Sta ofc ΔAD4-6346
417-23 Internatl Brotherhood Elec Wkrs Local 545 ΔAD2-3578
Retail Clerks Local No 988
424 Hansen-Mead Mtr Co Inc auto dlr ΔAD2-5401
Angelique intersects
500-10 Watson Bros Trans Co Inc ΔAD4-2741
513 Beckley Mtrs autos ΔAD2-6731
Atlas Auto Parts ΔAD2-6731
Beckley Realty Co ΔAD2-6731
518 Bledsoe Linoleum & Carpet Co ΔAD2-1661
520 Schaller Paint & Wallpaper ΔAD2-6626
523 Fanning Edna E Mrs
525 No Return
527 Bolin Automotive Sup ΔAD2-4477
529 Vacant
529½ Vacant
Messanie intersects
601 Electric Mtr Serv
Roberts Wm
603 Rescue Mission
605 Margie & Curley's Tavern ΔAD2-0598
606 Safeway Stores Inc No 335 ΔAD2-0498
607 Hoecker Carl A jr elec contr ΔAD2-1500
609 Artis Hotel ΔAD2-0316
rear Simpson Ernest ΔAD2-0316
610-14 Moreland Raymond C auto parts ΔAD2-1501
611 Vacant
614½ Moreland Raymond C ® ΔAD3-3026
615 Eights St Furn Co used
Cook Roy
617 Friendly Tavern ΔAD2-0193
617½ Miller Adolph
618 Vacant
619 Miller's Square Deal Store used furn
620-22 Gilpin Petroleum Equipment Co ΔAD3-3967
621 B&B Auto Trim Shop ΔAD4-5066
625 Vacant
625½ Vacant
627 Vacant
627½ Vacant
629 Potter & Son Upholstering ΔAD3-3795
630-32 Magoon Benj Famous Delicatessen ΔAD2-2411
Locust intersects
702 Farmers Casualty Insurance Agcy ΔAD2-1129
711 Vacant
712 Nason Paint Store ΔAD4-2193
714 StJoseph Refinoil Co ΔAD4-3224
717 Heitman Sanitary Matteress Co ΔAD4-6811 ΔAD4-1100
Mary intersects
722-24 Crouch Bros Inc garage
727-31 Polsky Auto Parts Co ΔAD3-1319
733 King Raido Laby ΔAD4-4600
736 Crouch Bros Inc garage
Patee intersects
801 Automotive Bearing Serv auto repr ΔAD2-3898
802 Crouch Bros Inc garage ΔAD3-3141
807 Electro TV Laby ΔAD4-1369
809 Zahn Buster ΔAD4-7830
811 Vacant
813 Walker Otis bait shop ΔAD4-9162
813½ Vacant
815 Vacant
815½ Shores John D
817 Burnstein Philip baker ΔAD4-0057
817½ Rhodes Mildred L
819 Miller's Second Hand Store genl mdse ΔAD4-6987

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1957

rental 2-5491

Charles intersects

302 Bechtold & Rouse Cycle Co
2-0948

307 McCord-Bell Inc auto park

308 Ward's Auto Service tires
3-2412

314 Stevens Hat Co 2-7241

325-27 Michel Tire & Battery Co
2-3379

Sylvanie intersects

se cor Fire Dept Hdqtrs 4-3933
Fire Dept Co Nos 1 and 3
4-3933
City Fire Prevention Bureau
4-3933

402-10 Vacant

412 Vacant

414 Vacant

415 Vacant

425 Auto Elec & Magneto Serv Co
5-6361

Angelique intersects

501 Hathaway Byron E gas sta
2-0488

506 Yellow Cab Co 4-2777

507 McAdoo Elec Co 2-1138

509 Vacant

514-20 Mooney Moving & Stge Co
whse

Messanie intersects

607-11 Kirwan Furn Co whse

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1957

Charles intersects

301 Vacant
302 Modern Motors used car dept
△4-7489
307 Miller Chevrolet Co body shop
315 Vacant
317-23 Jacobs Auto Body Sups Inc
4-4856
318 Robidoux Finance Co 4-7485
320 Modern Motors 4-7485

Sylvanie intersects

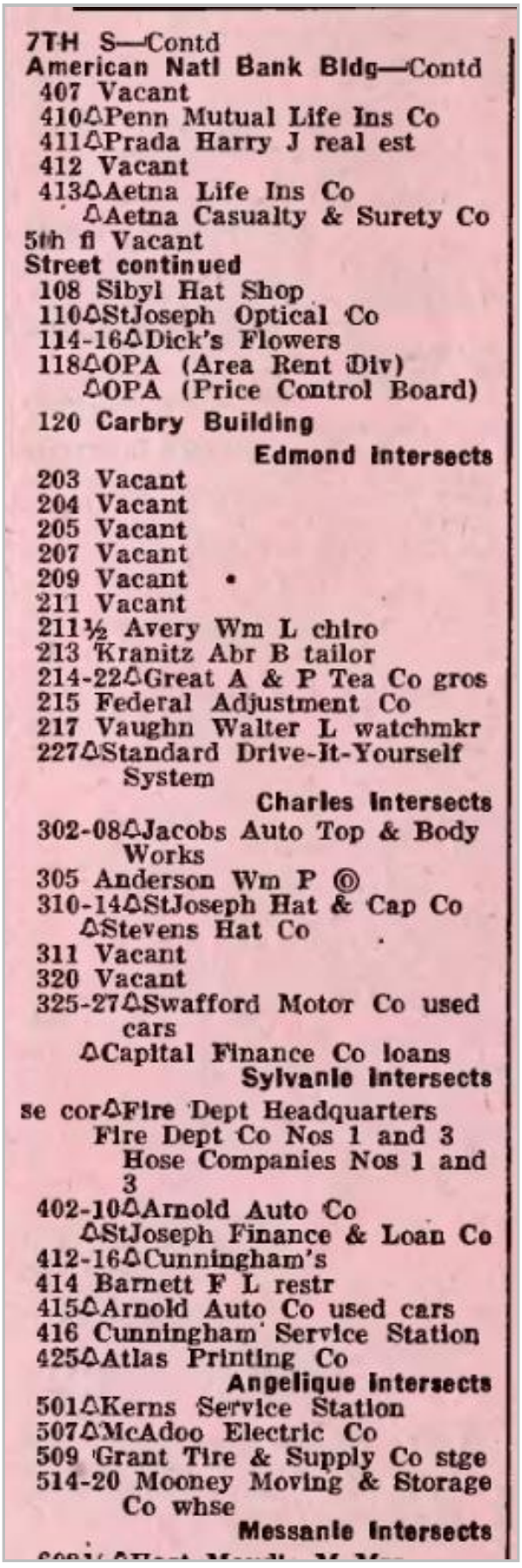
401 Swafford Motor Co used cars
4-1647
402 Capital Finance Co 4-7210
Swafford Motor Co 4-1646
404 KRES Radio Station ofc 4-6346
414 Hansen Mead Mtr Co used cars
△2-5401
415 Modern Motor Co stge
417-23 International Brotherhood
Electrical Workers Local 545
424 Hansen-Mead Mtr Co 2-5401

Angelique intersects

500-10 Watson Bros Trans Co Inc
4-2771
513 Beckley Mtrs autos 2-6731
Beckley Auto Parts Co 2-6731
Atlas Auto Parts 2-6731
516 Vacant
518 Bigelow Linoleum & Carpet Co

Target Street	Cross Street	Source
-	✓	Polk's City Directory

S 7TH ST 1946



7TH S—Contd
American Natl Bank Bldg—Contd
407 Vacant
410△Penn Mutual Life Ins Co
411△Prada Harry J real est
412 Vacant
413△Aetna Life Ins Co
△Aetna Casualty & Surety Co
5th fl Vacant
Street continued
108 Sibyl Hat Shop
110△StJoseph Optical Co
114-16△Dick's Flowers
118△OPA (Area Rent Div)
△OPA (Price Control Board)
120 Carbry Building
Edmond Intersects
203 Vacant
204 Vacant
205 Vacant
207 Vacant
209 Vacant
211 Vacant
211½ Avery Wm L chiro
213 Kranitz Abr B tailor
214-22△Great A & P Tea Co gros
215 Federal Adjustment Co
217 Vaughn Walter L watchmkr
227△Standard Drive-It-Yourself System
Charles Intersects
302-08△Jacobs Auto Top & Body Works
305 Anderson Wm P ©
310-14△StJoseph Hat & Cap Co
△Stevens Hat Co
311 Vacant
320 Vacant
325-27△Swafford Motor Co used cars
△Capital Finance Co loans
Sylvanie Intersects
se cor△Fire Dept Headquarters
Fire Dept Co Nos 1 and 3 Hose Companies Nos 1 and 3
402-10△Arnold Auto Co
△StJoseph Finance & Loan Co
412-16△Cunningham's
414 Barnett F L restr
415△Arnold Auto Co used cars
416 Cunningham Service Station
425△Atlas Printing Co
Angelique Intersects
501△Kerns Service Station
507△McAdoo Electric Co
509 Grant Tire & Supply Co stge
514-20 Mooney Moving & Storage Co whse
Messanie Intersects

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S 8TH ST 1946

△Interstate Transit Lines
208 Ferguson Albert E barber
214△Manning's billiards
216△Pla-Mor Bowling Alley
224 Montgomery Ward & Co
farm store
224½△Artcrafts Engraving Co
△Guenther Associates Inc adv
Charles intersects
305△Miller Don Motor Co
310△Callis Paul E restr
317△Miller Chevrolet Co autos
320△Miller Geo Pontiac Co autos
Sylvanie intersects
410 James Mary M Mrs furn rms
412-14 Libby Rose Mrs furn rms
415△Quality Motors
416△Kyes Elmer C
417 Vacant
418 Arnold Vea
420 Walker G Cliff
424 Vacant
Angelique intersects
501-03△Rice Callie Mrs furn rms
509 Jager Wm C
510△Watson Bros Transportation
Co Inc
513△Beckley Barrett L used cars
516-520△Grant Tire & Supply Co
523 Osborn Homer E
Osborn Ella Mrs furn rms
525 Mitchell Harvey L ©
527△Blodgett & Stilgenbauer
radio reprs
529△Mannschreck's Market
Comella Phillip fruits
Messanie intersects
601 Vacant

APPENDIX G

RESUMES

TETRA TECH

Kaitlyn Mitchell

Project Manager/Environmental Scientist

EXPERIENCE SUMMARY

Ms. Mitchell is an Environmental Scientist with eight years of experience providing technical support for clients in the government and private sectors. Major area of expertise includes Phase I ESAs; NEPA reporting; hazardous materials surveys including asbestos, lead, mold, and household hazardous waste; demolition and abatement contractor oversight. Project support in these areas includes task management; technical report preparation; environmental field sampling; quality control and quality assurance for environmental field work; compliance inspection/determination; scientific data collection and analysis; and client communication. Ms. Mitchell has also worked extensively on creating proposals and cost estimates to finalize time critical submittals. She has participated in emergency response training for the EPA dealing with chemical, biological and radiological agents.

EDUCATION

M.E., Project Management, University of Kansas, 2017

B.S., Environmental Science, University of Kansas, 2010

Minor, Geography, University of Kansas, 2010

AREAS OF EXPERTISE

Project Management

Phase I ESAs

Asbestos, Lead-Based Paint, Mold

NEPA Reporting

Environmental Sampling

KEY TRAINING/ CERTIFICATIONS

40-hour OSHA HAZWOPER with 8-hour Refreshers

CPR and Standard First Aid

AHERA Asbestos Inspector

Current Asbestos Inspector License for the State of Iowa, Missouri, and Nevada.

OFFICE

Kansas City, MO

YEARS OF EXPERIENCE

8

CONTACT

816-412-1742

RELEVANT EXPERIENCE

Environmental Analysis and Permitting

Phase I Environmental Site Assessment, Verizon Wireless. Ms. Mitchell has completed many Phase I ESAs, which included an on-site assessment followed by a detailed records review of the site. Environmental risk was identified followed by determination if further sampling was recommended.

Unified Government of Wyandotte County, Kansas City, Kansas

Ms. Mitchell prepared multiple Phase I and Phase II ESA reports for targeted Brownfield assessments for hazardous and petroleum sites in Wyandotte County, Kansas City, Kansas. Ms. Mitchell's responsibility for the Phase I ESAs included assessing potential RECs and writing reports providing conclusions regarding potential RECs and recommendations for further work. This project included interpretation of an EDR database report, historical aerials, historic topographic maps, and city directories.

Martin Marietta Materials, Phase I and Phase II Environmental Site Assessments for Multiple Sites in Colorado and Wyoming

Ms. Mitchell prepared multiple Phase I ESA reports for Martin Marietta Materials in Colorado as part of a property acquisition. Ms. Mitchell's responsibility for the Phase I ESAs included assessing potential RECs and providing conclusions regarding potential RECs and recommendations for further work.

Citadel Plaza Redevelopment Area Area-Wide Phase I Environmental Site Assessment of 156 Parcels, Kansas City, Missouri

Ms. Mitchell was performed an area-wide Phase I ESA on 156 parcels within the Citadel Plaza Redevelopment Area generally bounded by residential housing, wooded land and East 60th Street, the east side of Prospect Avenue to Bruce R. Watkins Highway, 63rd Street and Brooklyn Avenue in Kansas City, Jackson County, Missouri. Numerous RECs were identified associated with the subject property and surrounding properties including the following sources of contamination: area-wide asbestos contamination in soil, dry cleaners, gas

stations, former filling stations, former printers, and auto repair/auto service stations either on the subject property or hydraulically upgradient. Phase II field activities were recommended to address the RECs found during the area-wide Phase I ESA.

Phase II Environmental Site Assessment, Nebraska Department of Environmental Quality, Omaha, NE. Ms. Mitchell conducted site assessment of soil, groundwater and building materials to determine the extent of contamination at an industrial plant in West Point and Lincoln, NE.

Phase II and III Environmental Site Assessment, EPA Region 7 START Contract. Ms. Mitchell conducted site assessment of soil to determine the extent of lead contamination for areas in the state of Missouri where previous lead mining activities occurred. Samples were taken from residences throughout two counties.

Emergency Response Training, EPA Region 7 START Contract. Ms. Mitchell has participated in level A emergency response training for the EPA Region 7 START Contract that included a variety of situations including radiation release and unknown biological hazard release scenarios.

National Environmental Policy Act (NEPA) Reports

Ms. Mitchell has completed NEPA reports in conjunction with a private telecommunication company's environmental site assessments (ESAs). The scope of work for the NEPA report includes NEPA Categorical Exclusion checklists, consultation with state and local agencies to evaluate the presence of threatened and endangered species, historically significant structures, sensitive areas, wetland delineations, biological evaluations, sacred Native American lands, and flood hazards on or near the subject properties. Because construction of cellular communication towers are federally regulated projects by the Federal Communications Commission (FCC), new cellular towers and certain collocations projects are subject to Section 106 consultation in accordance with the Advisory Council on Historic Preservation – 36 CFR 800 – and the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings. Ms. Mitchell maintains contact with all individuals involved in the NEPA and Section 106 processes, including the client, archaeological and architectural historians, site acquisition consultants, engineers, state agencies including the United States Fish and Wildlife Service, state conservation agencies, SHPOs, tribal entities, and citizens identified through public involvement.

Enforcement and Compliance

American Recovery and Reinvestment Act (ARRA) Inspections, Mississippi, Ohio, New York, New Jersey, Pennsylvania, South Dakota, Missouri, Nebraska, Iowa and Kansas

Ms. Mitchell conducted ARRA inspections across the United States in 2010 and 2011. The inspections were conducted at sites who had obtained ARRA funding for projects such as wastewater and water treatment plant upgrades, well installations, storage, water line installation, pump stations, construction projects, etc. The purpose of the inspections was to ensure the recipients were in compliance with all ARRA requirements including Davis-Bacon, Buy America, Jobs Reporting, Green Project Reserve, and Poster/logo requirements. A memo was generated after each inspection to summarize the findings.

On-site Compliance at Ford Motor Company Kansas City Assembly Plant and Stamping Plant, Claycomo, Missouri, 2013

Ms. Mitchell provided environmental support during a large-scale remediation project at the former Ford Paint Kitchen. Tasks included conducting oversight of excavation activities, performing field screenings, and preparing and dispensing load tickets for proper hazardous material disposal.

Hazardous Materials Surveys

Environmental Assessment Services, Flood Damaged Homes – Cedar Rapids, Iowa. Ms. Mitchell is licensed in the state of Iowa as an asbestos inspector. Ms. Mitchell completed asbestos surveys, mold identification and household hazardous waste identification on approximately 1,000 flood damaged homes in the

Cedar Rapids, Iowa area. Ms. Mitchell is responsible for the following tasks: hazardous materials survey report preparation and upload to a Share Point website; close-out post remediation report preparation, organization and filling of all field sheets, lab results, and sample chain of custodies; conducted sample result interpretation; and finally development of all files and field sheets needed for the oversight of the remediation of the hazardous materials in the homes prior to their demolition.

Environmental Assessment Services, AMC Entertainment Inc.

Ms. Mitchell has conducted asbestos inspections at AMC movie theaters throughout the United States. Tasks included conducting a non-destructive asbestos inspection, gathering photographic evidence, and compiling a report based on the laboratory results.

Former Missouri State Prison, Targeted Brownfields Assessment – Jefferson City, Missouri. Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. Ms. Mitchell was a part of a project team that completed a full hazardous materials inspection on the approximately 745,000 square foot 40 building complex. The inspection started with a Phase I ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. She also helped with the final deliverables preparation required for the contract.

Rockhill Greens Redevelopment, Targeted Brownfields Assessment – Kansas City, Missouri. Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. Ms. Mitchell was a part of a project team that completed a full hazardous materials survey on the approximately 100,000 square foot 7 building complex. The inspection started with a Phase I ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. She also helped with the final deliverables preparation required for the contract.

Horace Mann School, Missouri Voluntary Cleanup Program – Kansas City, Missouri. Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector and Missouri Air Sampling Technician for the contract. Ms. Mitchell assisted in developing an Analysis to Brownfields Cleanup Alternatives (ABCA) to evaluate the remediation options (including costs) for the removal of the hazardous materials identified in the 3-Story 50,000 square foot building prior to the demolition activities. Ms. Mitchell then assisted in developing a Remedial Action Plan (RAP) for the removal of the hazardous materials identified based on the preferred option listed in the ABCA. The ABCA and the RAP are the first steps in the process to complete the Missouri Brownfields Voluntary Cleanup Program (MBVCP), which is a Brownfields program in the State that provides funding for renovations projects. Ms. Mitchell was part of the team that provided oversight, along with air monitoring and clearance sampling for the removal of the hazardous materials.

Indian Springs Mall Redevelopment, Targeted Brownfields Assessment – Kansas City, Kansas.
Ms. Mitchell is licensed in the state of Kansas as an asbestos inspector. He acted as an asbestos inspector for the contract. Ms. Mitchell led a team that completed a full hazardous materials inspection on the 4 building complex, encompassing approximately 800,000 square foot. The inspection started with a Phase I and Phase II ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. Ms. Mitchell provided critical communication with the client.

KCMO Schools, Targeted Brownfields Assessment – Kansas City, Kansas

Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector for the contract. Ms. Mitchell led a team that completed a full hazardous materials inspection on four KCMO schools (Bryant, Blenheim, Graceland and 7 Oaks). The inspections started with a Phase I and Phase II ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed.

Ms. Mitchell provided critical communication with the client. She also wrote the final deliverables required for the contract.

Seven Oaks School Redevelopment Project – Kansas City, Missouri

Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She provided technical services for the contract. Ms. Mitchell conducted Phase I ESA, Radon Testing and a Vapor Encroachment Screening for the 3-Story 40,000 square foot building in anticipation of renovations for senior housing at the site. Once this was complete, Ms. Mitchell assisted in developing Bid Plans and Specifications for the remediation phases of the project, which included, asbestos, LBP and hazardous waste.

Environmental Assessment Services, City of Kansas City, MO, 63rd and Prospect Redevelopment Area, Kansas City, Missouri (2013-2014)

Ms. Mitchell conducted asbestos inspections at over 100 former residential parcels in the 63rd and Prospect Redevelopment area. Tasks included obtaining soil samples, cataloguing household hazardous waste, and verifying parcel locations with a land survey. In addition, Ms. Mitchell conducted DPT soil and groundwater sampling at several former commercial parcels.

Hazardous Materials Survey, Ford Motor Company Kansas City Assembly Plant and Stamping Plant, Claycomo, Missouri, 2013

Ms. Mitchell was part of a team that conducted an asbestos inspection of 75% of the Ford Assembly Plant as well as the accessory and support buildings. Tasks included sampling plan development, sample collection and analysis, implementation of a material damage ranking, and field documentation. Ms. Mitchell consolidated all the findings from the assessment into a report deliverable, which included sample results, interpretation, recommendations, and detailed figures. Ms. Mitchell is currently on call for hazardous material sampling when the need arises for the client. Each year a re-inspection is performed at the plant to assess the damage of asbestos containing materials.

Hazardous Materials Survey – Hickam Air Force Base, Honolulu, Hawaii

Ms. Mitchell assists the Program Manager, providing critical communication with the client and providing guidance in following all regulatory guidelines for the project. Ms. Mitchell also directs field sampling teams collecting asbestos and lead based paint samples. She also assists with writing and reviewing the final deliverables required for the contract.

Kipapa Tunnels Munitions Response Site Asbestos Surveys, Mililani, Hawaii, U.S. Army Corps of Engineers (USACE), Huntsville Division. Ms. Mitchell served as an asbestos inspector for this project. The USACE completed a remedial investigation/feasibility study for 80 storage tunnels that were formerly used by the U.S. Army to store chemical agent, munitions, ordnance, and other hazardous/toxic waste. Many of the storage tunnels have been sealed and inaccessible for over 30 years. She served as field team member and assisted with sampling activities in Level C PPE over a period of approximately 6 months. During the project 909 bulk asbestos samples, 573 dust samples (via microvac), and 21 asbestos in soil/IDW samples were collected. Ms. Mitchell assisted in writing the final asbestos survey summary report that was incorporated into the remedial investigation report.

Stormwater Management

Stormwater Compliance Inspections, Kansas City Phase I, Phase II, and Lee's Summit Pipeline Replacement Project, Missouri Gas Energy, 2013-present

Ms. Mitchell is currently involved in assisting Missouri Gas Energy with maintaining compliance for erosion control along East 107th Street in Kansas City, Missouri. Tasks include checking silt fencing, silt socks, and other best

management practices weekly and after rain events for integrity and compliance. Reports and photologs are generated after each inspection.

Stormwater Compliance Inspections, Ford Motor Company Kansas City Stamping Plant, Claycomo, Missouri, 2013-present

Ms. Mitchell is currently involved in assisting Ford with maintaining compliance for erosion control and stormwater protection at Ford's Stamping Plant in Liberty, Missouri. Ms. Mitchell inspects best management practices (BMP) in areas predisposed to erosion to determine if stormwater protection is adequate. An inspection report and photolog is generated after each inspection.

Stormwater Pollution Prevention Plan, KMW Limited, Various Kansas Locations, 2015-present

Ms. Mitchell is the project manager for stormwater pollution prevention plan (SWPPP) projects for KMW plants located in Sterling, Great Bend, and Lyons, Kansas. Ms. Mitchell performs the yearly SWPPP inspections and updates the SWPPPs for each facility. She also assists the Sterling, Kansas facility with facilitating and reporting pretreatment monitoring requirements to the Kansas Department of Health and Environment on a quarterly basis.

ADDITIONAL EXPERIENCE

MS Excel, MS Word, MS Outlook, MS PowerPoint, and ArcGIS

EMPLOYMENT HISTORY

2010 - Present	Environmental Scientist, Tetra Tech, Kansas City, Missouri

TETRA TECH

John R. Simpson, CHMM
Environmental Scientist/Project Manager

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

20

CONTACT

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john.simpson@tetratech.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

Surveying and Monument Placement, Blackhawk Foundry, Davenport, Iowa, USEPA Region 7, 2016. Mr. Simpson contracted an Iowa licensed Professional Land Surveyor and oversaw surveying and placement of permanent monuments at the boundaries of several closed waste management units. Maps and legal descriptions of the areas were to be filed in a restrictive covenant to limit potential exposures to contamination remaining on the property.

Surveying and Monument Placement, Cedar Land LLC Site, Cedar Rapids, Iowa, USEPA Region 7, 2016. Mr. Simpson contracted an Iowa licensed Professional Land Surveyor and oversaw surveying and placement of permanent monuments at the boundaries of the property for the purpose of documenting the property area to be included in a restrictive covenant to limit potential exposures to contamination remaining on the property.

Spill Prevention Control and Countermeasure Compliance, Norfolk Southern Railway Company, 2009 – 2016. Mr. Simpson prepared Spill Prevention Control and Countermeasure (SPCC) plans for various railroad facilities that have more than 1,320 gallons total storage capacity of petroleum products in compliance with Environmental Protection Agency (EPA) regulations. Facilities were inspected for changes every 5 years and plans are updated accordingly.

Storm Water Pollution Prevention, Various Clients, 2009 - 2016

Mr. Simpson prepared 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 included: permit applications and renewals; periodic sampling of storm water runoff during precipitation events; and regular discharge monitoring reporting.

Site Investigation and Remediation

Groundwater Monitoring, Grain Valley, Missouri, Alstom Signaling Operations, LLC, 2016-Present. Mr. Simpson serves as the Project Manager for a long-term groundwater monitoring program for a RCRA permitted former hazardous waste land disposal unit. Improper disposal of spent chlorinated solvents used in electrical circuit board manufacturing resulting in soil and groundwater contamination. The area of the former hazardous waste land disposal unit is covered by an asphalt cap requiring long-term monitoring. Previous remedial efforts at the facility included operation of a soil vapor extraction (SVE) system and groundwater plume monitoring via a network of monitoring wells. Current activities include semi-annual groundwater monitoring and reporting in accordance with the current permit.

Soil and Groundwater Assessment, Amusements Unlimited, Inc. USEPA Region 7, 2016. Mr. Simpson conducted a soil and groundwater assessment of a former fiberglass amusement park ride manufacturing facility that contained numerous unlabeled drums of unknown chemicals. Prior to field activities, Mr. Simpson prepared a Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) to document the planned field and laboratory methods and data collection goals. Soil and groundwater samples were collected throughout the property via direct-push drilling techniques (DPT). Upon completion of field activities and receipt of laboratory data, Mr. Simpson prepared a Report of Findings documenting the field activities and laboratory data.

Soil and Groundwater Assessment, ACME Brass and Aluminum Foundry, Marshalltown, Iowa, USEPA Region 7, 2017. Mr. Simpson conducted a soil and groundwater assessment of a current brass and aluminum foundry that manufactures various brass and aluminum parts for plumbing and automotive applications. A previous assessment identified contamination in surficial soils and groundwater at the facility. Prior to field activities, Mr. Simpson prepared a SAP/QAPP to document the planned field and laboratory methods and data collection goals. Soil and groundwater samples were collected throughout the property using a truck-mounted

DPT machine. Upon completion of field activities and receipt of laboratory data, Mr. Simpson prepared a Report of Findings documenting the field activities and laboratory data.

Removal Action, Former Lyons Diecasting, Buckner, Missouri, USEPA Region 7, 2016-2017. Mr. Simpson served as the Project Manager for a long-term removal action undertaken by EPA at a vacant facility previously used as an oil pipeline pumping station and later for diecasting operations. Hydraulic oil containing polychlorinated biphenyls (PCBs) used in diecasting machinery contaminated soil around the buildings and sediment in two former wastewater lagoons. Within the facility building, EPA contractors removed potions of a concrete floor to allow for removal of oil, water, and sludge for disposal. Ares of soil contamination were excavated and staged on-site pending disposal. Water pumped from the wastewater lagoons was treated on-site prior to sampling and on-site discharge. Sediment from the lagoons and sludge removed the building waste pit required on-site solidification prior to transport and landfill disposal.

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.

ADDITIONAL TRAINING/CERTIFICATIONS

IS-100, Incident Command System (ICS)

IS-200, ICS for Single Resources and Initial Action Incident

ADDITIONAL EXPERIENCE

MS Word, MS Excel, MS Outlook, MS Project, MS PowerPoint, MS Access

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

TETRA TECH

David A. Zimmermann
Program Manager

EXPERIENCE SUMMARY

Mr. Zimmermann's 31 years of environmental experience have been primarily in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) remedial program and Resource Conservation and Recovery Act (RCRA) programs. He has been employed as an environmental scientist with Tetra Tech, Inc. for over 26 years. He has extensive knowledge of the Superfund and RCRA programs and has conducted numerous preliminary assessments (PAs), site investigations (SI), brownfields assessments, removal assessments, remedial investigations, and hazard ranking system (HRS) documentation projects. He has used this experience as an instructor under the EPA Office of Solid Waste and Emergency Response (OSWER), Technology Transfer and Training Support contract where he has delved numerous training classes on the HRS and PA/SI process.

Mr. Zimmermann has managed two separate CERCLA services contracts for the U.S. Forest Service Alaska Region. Mr. Zimmermann served as deputy program manager for a general environmental services contract with the National Oceanic and Atmospheric Administration (NOAA) and was program manager for Brownfield's assessment contract for the Unified Government of Wyandotte County/Kansas City Kansas. Currently he is site assessment manager for a multi-million dollar Superfund Technical Assessment and Response Team (START) contract for EPA Region 7, and program manager for an environmental engineering services contract for the Nebraska Department of Environmental Quality (NDEQ).

EDUCATION

B.A., Environmental Studies, University of Kansas, 1987

AREAS OF EXPERTISE

Project Management

Site Characterization

Training

REGISTRATIONS/ AFFILIATIONS

2001-2006, Certified Hazardous Materials Manager

Society of American Military Engineers, Associate

KEY TRAINING/ CERTIFICATIONS

40-hour OSHA HAZWOPER, 1987 and subsequent annual 8-hour Refreshers

CPR and Standard First Aid

Incident Command System 100, 200

OFFICE

Kansas City, MO

YEARS OF EXPERIENCE

31

CONTACT

816.412.1788

Dave.Zimmermann@tetratech.com

RELEVANT EXPERIENCE

Management Experience

Mr. Zimmermann has the proven ability to manage complex Superfund projects, coordinate multidisciplinary teams on concurrent projects, manage team firms, procure subcontractors, and track and report on administrative and financial issues. From 1991 to 1993, Mr. Zimmermann managed the federal facilities' site assessment project under the Technical Enforcement Support (TES) 12 contract. This $630,000 project consistently received above average performance evaluation review scores from the Region 10 EPA work Assignment Manager (WAM).

From September 1993 to March 1997, Mr. Zimmermann served as program manager for the $1.5 million CERCLA Services Contract with the Forest Service in Juneau, Alaska. Work was conducted at sites within the Chugach and Tongass National Forests in remote southeast Alaska. Contract activities consisted of site discovery investigations, preliminary assessments, site investigations, removal assessments, removal action engineering designs, legal and litigation investigations, and identification of natural resource damage assessment issues. Mr. Zimmermann prepared budgets and work plans; negotiated subcontracts and coordinated with three team firms; procured subcontractor services pursuant to Federal Acquisition Regulations; selected, coordinated, and

organized field and project teams; reported and tracked financial information; communicated with the client; and presented data reports, conclusions, and recommendations. After completing the first contract, the USDA Forest Service issued a solicitation for hazardous materials and environmental engineering services. The contract was a 3-year, IDIQ/FFP contract with a $2,000,000 capacity. Due in part to the superior work conducted on the previous contract, Tetra Tech was awarded this follow-up contract with Mr. Zimmermann as program manager until he relocated to the Tetra Tech office in Kansas City.

In Kansas City, Mr. Zimmermann gained additional program manager experience after Tetra Tech was awarded a 10-million dollar IDIQ/FFP contract with NOAA. Mr. Zimmermann served as deputy contract manager for this activity with responsibilities that include: conflict of interest screening, subcontractor management, client communication, project staffing, and nationwide project coordination.

Mr. Zimmermann currently serves as site assessment manager for the EPA Region 7 START contract. In this capacity he coordinates all pre-remedial investigations, provides technical support and oversight, reviews all documents for adequacy and accuracy, and provided training to program staff. Mr. Zimmermann is also Program Manager for a CPFF contract with NDEQ and a similar contract with the city of Kansas City, Missouri. Mr. Zimmermann has provided continuous program management support to NDEQ through 5 sequential contracts since 2001.

Technical Experience - CERCLA

Mr. Zimmermann has 31 years of experience directly related to managing and conducting CERCLA site assessments. This experience includes conducting PAs and all forms of SIs, and applying the HRS throughout the site assessment process. He has also lead teams in the performance of remedial investigations and feasibility studies (RI/FS). Through his experience on the FIT, TES 12, and U.S. Forest Service CERCLA Services, NDEQ, and START contracts, he has managed or conducted investigations of literally hundreds of sites. Mr. Zimmermann has sampled all media including surface and subsurface soil, sediment, surface water, groundwater, soil vapor, ambient air, drums, and biota, and is familiar with many of the applicable standard operating procedures. He has direct experience conducting geophysical investigations (ground-penetrating radar, EM-31 and EM-34, seismic refraction, magnetometer), Geoprobe™, and environmental drilling projects. He has written numerous work plans, health and safety plans, investigation-derived waste management plans, and quality assurance project plans. He has coordinated analytical services through the Contract Laboratory Program (CLP) and EPA regional laboratories, as well as private and field laboratories. Under a crossover contract with the U.S. EPA Region 8 START contract, he provided technical document reviews on a number of sites submitted to EPA by the State of Nebraska.

Preliminary Assessments

Project Manager, USEPA Regions 7 and 10, 1987 – 1991. Conducted and managed 75 PA assignments over a 5-year period under the FIT contract. Examples of multisite investigations include approximately 20 PAs in Washington and Oregon and an investigation of approximately 15 potential sources of solvent contamination in Coeur d'Alene, Idaho.

Project Manager 1991 – 1993, US EPA Region 10. Served as technical lead/project manager for the federal facilities site assessment review work assignment under the TES 12 contract where over 250 PA type reports were evaluated to determine compliance with CERCLA Section 120 requirements. Under this project, Tetra Tech used the PREscore software package to evaluate the sites' potential eligibility for the National Priorities List (NPL).

Project Manager, 2000 – Current, US **EPA Region 7, Superfund Technical Assessment and Response Team.** Under three sequential START contracts in EPA region 7, he managed or reviewed hundreds of PA documents for numerous types of facilities including Formerly Utilized Defense Sites, contaminated public water supplies, former grain storage facilities, dry cleaning sites, and former manufactured Gas Plant sites.

Site Inspections

Conducted nearly 75 site inspections under various contracts with EPA, the Forest Service and State of Nebraska where innovative sampling approaches were applied, and removal and remedial programs were coordinated to facilitate early action.

Project Manager, Site Inspection/Removal Assessment, Thorne Bay Landfill, Cape Prince of Wales, Alaska, USDA Forest Service, 1994-1995. For the U.S. Forest Service, collected soil, sediment, and surface water data at abandoned landfill site in the Tongass National Forest in southeast Alaska. Also oversaw a Potentially Responsible Party (PRP) search and wetlands delineation survey. Recommended a time-critical removal action be initiated to cap landfills to reduce leachate flow to sensitive ecological receptors. Engineered cap design recommendation was approved by client. Tetra Tech later designed the cap however it was never installed as the identified responsible parties assumes responsibility.

Project Manager, Site Inspection of Abandoned Prospects and Mines Sites, Removal Assessment, Thorne Bay Landfill, Chugach National Forest, Alaska, USDA Forest Service, 1993-1994. Oversaw site inspection activities at over 40 abandoned mine and 11 Special use sites in Alaska under the U.S. Forest Service contract. Managed multisite "discovery-level" investigations of 40 mine sites and prospects and 11 special use sites in Alaska for the U.S. Forest Service. Research PRP and development history, located sites, conducted safety inspections, evaluated the potential for acid rock drainage, and collected environmental samples. Evaluated site histories, potential sources, and target information, and made recommendations to the Forest Service on adding sites to the Federal Facilities Hazard Waste Compliance Docket.

Project Manager, Site Inspection of Sunset Aviation at the American Fall Airport, Idaho, 1990. Used Geoprobe to collect subsurface soil from beneath a dry well which received wash water from crop dusting operations (angle boring) at the American Falls Airport in American Falls, Idaho. Samples were sent to the FIT lab for screening, and to a CLP lab for pesticides analysis. Investigated numerous potential sources concurrently to expedite project progress.

Combined PA/SI reports

Program Manager, Multiple sites throughout Nebraska, Nebraska Department of Environmental Quality, 2006- 2010. Under the NDEQ contract, Mr. Zimmermann managed or conducted combined PA/SI assessments at 17 sites across Nebraska. These sites consisted primarily of groundwater contamination sites where the source of the contamination was unknown. Following investigation, five of these sites were prioritized for potential inclusion to the National Priorities list including the Stolley Park (Parkview Well) site in Grand Island, Nebraska, the Garvey Elevator and West Highway 6 and Highway 281 sites in Hastings, Nebraska, the Atwood Industries site in Norfolk, Nebraska, and the Broken Bow Public Water supply in Broken Bow, Nebraska.

Brownfields Targeted Assessments

Managed Brownfields Targeted Assessments of multiple sites under the START and NDEQ contracts for sites proposed for redevelopment. These sites include the Meeks Lumber Company, and Jordan Valley in Springfield, Missouri, the Dakota Landfill in Dakota City Nebraska, the former PCS Nitrogen facility in Sarpy County Nebraska, and area wide Phase I and Phase II TBAs in the Green Impact Zone and the Municipal Farm site in Kansas City Missouri. For the Unified Government of Wyandotte County/Kansas City, Kansas he built a site inventory the performing phase I and II investigations at up to 40 sites under two, $200,00 grants from EPA for assessment of petroleum and Hazardous substance brownfields sites.

Project Manager, Phase I and II Targeted Brownfields Assessment, Kansas City Municipal Farm property, Kansas City, MO, 2012 – Present. Mr. Zimmermann managed targeted Brownfields activities at four large parcels within the municipal farms redevelopment area referred to as; the former municipal correctional facility, an active animal shelter, the former LaFarge (concrete batch plant) site, and the KCMO Public Works East Garage site. For all for sites, Tetra Tech performed Phase I TBA activities in compliance with ASTM standards and all

appropriate inquiry requirements. Also during the project Tetra Tech attended stakeholder meeting with EPA and City officials, the public, and other involved parties. During these meeting finding from various stages of the investigations were communicated. Based on the finding of the phase I assessments, site specific quality assurance project plans (QAPPs) were developed for all four sites and submitted to the EPA and City for approval. Sampling activities were conducted at all properties and included surface and subsurface soils, surface water and sediment and shallow groundwater. Groundwater and subsurface soil samples were collected with direct push technology (DPT) tools. Any buildings encountered were screened for lead-based paint using portable x-ray fluorescent (XRF) instrumentation and asbestos containing building materials were assessed and materials quantified. Following field activities Phase II TBA reports were generated for all sites.

Program Manager, Brownfield Assessment Grants, Unified Government of Wyandotte County/Kansas City, Kansas 2010-2013. Mr. Zimmermann was program Manager for this 3 year contract that ended in 2013 and entailed grant implementation/tracking/reporting, community involvement/education, development of an inventory of potential brownfield sites, site characterization of brownfields sites through Phase I and Phase II Environmental Site Assessments, and strategic planning for cleanup of sites. Numerous phase I, phase II and hazardous materials surveys were conducted under this contract.

Expanded Site Inspections

Project Member, Expanded Site Inspection/Removal Investigation, Reynolds Metals Facility, Troutdale Oregon, USEPA Region 10, 1992 – 1993. Provided technical support and helped collect over 50 environmental and waste samples at the Reynolds Metals facility in Troutdale, Oregon. Provided information to Region 10 OSCs to help identify sources for potential removal actions. This site was eventually listed on the NPL.

Expanded Site Inspections, Multiple Sites Reynolds Metals Facility, Troutdale Oregon, USEPA Regions 7 &10, 1987 – 1991. Participated in and managed expanded site inspections at more than 25 sites under the FIT contract, including Wycoff - West Seattle (Seattle, Washington); Triumph Mine (Triumph, Idaho); East Multnomah County (Portland, Oregon); Oregon Metallurgical Corporation (Albany, Oregon); Fairfield Coal Gasification (Fairfield, Iowa); 10th Street; Sheller Globe Disposal (Keokuk, Iowa); Lehigh Portland Cement Co. (Mason City, Iowa); Northwest States Portland Cement Co. (Mason City, Iowa); and Peoples Natural Gas (Dubuque, Iowa) sites. Activities conducted at these facilities included geophysics investigation, air monitoring, monitoring well installation, aquifer testing, multimedia sampling, soil-gas investigation, and mobile analytical laboratory analysis. Information collected during the inspection was used to list many of these sites on the NPL.

Remedial Investigation/Feasibility Study (RI/FS)

Project Manager Remedial Investigation/Feasibility Study, Parkview Well site, Grand Island, Nebraska, USEPA Region 7, 1992 – 1993. Managed the RI/FS for the Parkview Wells Superfund site in Grand Island, Nebraska. Two separate RI/FS reports were prepared. The first one for Operable Unit (OU) 1 where contaminated groundwater was impacting/threatening numerous private and municipal wells. An interim remedial action consisting of groundwater pump and treat was recommended to intercept a larger chlorinated solvent contaminant plume. Investigation techniques such as geophysics, soil gas analysis, and DPT sampling and field analysis were employed to locate the source of contamination for the plume which was defined by EPA as OU-2. Tetra Tech recommended a combination of source removal, soil vapor extraction, and in-situ chemical oxidation (ISCO) to address the source area and remainder of the plume.

Project Manager, RI/FS, Former PCE Dry Cleaner site, Atlantic Iowa, USEPA Region 7, 2016-current. Managed the RI/FS for the PCE Former Dry Cleaner site in Atlantic Iowa. Investigation is ongoing focusing on characterizing the nature and extent of a chlorinated solvent plume that has impacted a municipal well field causing the closure of two city wells. Under the removal program for EPA, he characterized the nature and extent of the PCE source and recommended that an insitu thermal treatment system (electrical resistivity heating [ERH]) be installed under a removal action. To contain the plume, Tetra Tech is currently designing a groundwater

extraction system that will be piped to a flat tray air stripper capable of treating 400 gallons per minute. The RI will build upon work conducted by the removal program to fully assess the nature and extent of the plume.

Hazard Ranking System/National Priorities List Packages

Project Manager/Technical Reviewer, HRS Documentation Package Preparation, Multiple Sites, Nationwide, 1989-Current. Prepared or managed HRS documentation packages under the FIT, TES 12, and START contracts involving federal facility and general sites in Regions 7, 8, and 10. Served as a Tetra Tech corporate HRS expert, aiding people across the country with HRS issues. Provided technical support and reviews of documentation packages for EPA Regions 3, 5, 8, and 10. Listed or supported listing of several EPA Region 7, 8, and 10 sites on the NPL, including the 10th Street Site in Columbus, NE; Bruno Co-op Association in Bruno NE, Tulalip Landfill, Fort Richardson, White King and Lucky Lass Mines, Blackbird Mine, Jackson Park Housing Complex, Grand Forks Airforce Base, and Indian Island sites. Under the START contracts, Mr. Zimmermann listed or supported listing of numerous EPA Region 7 sites proposed to or on the NPL including the following sites in Nebraska - Iowa Nebraska Power and Light FMGP, Parkview Wells, Garvey Elevator, West Highway 6 and Highway 281, and the Old Highway 272 and 288th Street site; the following sites in Iowa former PCE drycleaner in Atlantic, the Hills Perchlorate site; the following sites in Kansas - Tri-County Airport; and the following sites in Missouri, Annapolis Lead, Madison Mine, Old Mines, Richwood, Potosi and Jefferson County mining areas, Compass Plaza Well TCE site and Oak Grove Village Well. He prepared many additional documentation records for other regions and other sites in Region 7 that were never proposed to the NPL.

Prepared documentation packages while working under the FIT contract using the original HRS rule; aided in development and testing of the revised HRS and prepared documentation packages using the revised HRS.

Response Activities

Responder, Corporate Clients Nationwide, 1988 – 1989. During his employment with Ecology and Environment, Mr. Zimmermann was a member of the corporate emergency response team. He received training in responding to chemical release emergencies for corporate clients such as motor freight companies. As a member of the corporate emergency response team, he was required to carry a pager 24 hours a day and was prepared to respond at a moment's notice. His training consisted of health and safety and ambient air monitoring; containment, documentation, and hazardous substance categorization techniques; and health and safety work zones and containment area set-up and decontamination techniques.

Responder, National Response to Red River Flood, Grand Forks, North Dakota, USEPA Region 8, 1997. Under the START contract in Region 8, Mr. Zimmermann assisted in responding to the Red River flood in Grand Forks, North Dakota. Activities conducted in support of response action included rapid assessment and removal of unknown wastes using field HAZ-CAT techniques. Mr. Zimmermann also supported U.S. Public Health Service personnel in assessing public (city, county, and state) buildings for potential hazards. While working under the FIT contract, Mr. Zimmermann also worked with the removal program on a number of sites to expedite cleanup.

Removal Support

Project Manager, Removal Site Evaluation, Atlantic Public Water Supply, Atlantic Iowa, USEPA Region 7, 2011-2013. Conducted a Removal Reassessment at the Atlantic Water Supply in Atlantic Iowa. Used Direct Push techniques and membrane interface probe field analysis to delineated area of highly contaminated soil at former drycleaners site. Supplemental investigations included Roto-sonic drilling through bedrock, soil vapor and indoor air sapling and DPT soil and groundwater sampling. Evaluated different removal alternatives including soil heating coupled with soil vapor extraction, insitu chemical oxidation with deep soil blending, deep excavation and off site incineration/disposal. As part of the removal reassessment, the extent of groundwater contamination was mapped and recommendations for addition pumping wells was suggested to control the existing plume and protect active municipal well field.

Project Manager, Removal Site Evaluation, Parkview Well Site, Grand Island Nebraska, USEPA Region 7, 2006 - 2008. Conducted routine sampling of private wells at the Parkview Well site in Grand Island to determine if contamination was increasing to levels above preliminary remediation goals that triggered the removal program of EPA to either install whole-house filtration units or connect the home to city distribution mains as appropriate. Oversaw a time critical removal action to excavate a PCE hot spot at identified source area.

Conducted removal assessment investigation at the Astoria Plywood site for the Oregon Department of Environmental Quality. Identified eight contaminated soil "hot spot" areas for removal action consisting of low temperature thermal desorption.

Worked closely with OSCs and the TAT at dioxin removal sites in Missouri. Conducted air monitoring for 6 weeks at the Minker/Stout/Romaine Creek site as OSCs and ERCS contractors removed contaminated soils to ensure that removal actions did not create an air hazard to nearby communities.

Organized a 15-person field crew consisting of TAT, FIT, and EPA Region 7 OSCs to conduct 95 percent confidence level soil sampling of a dioxin-contaminated site to direct future removal actions in Mount Vernon, Missouri.

Training

Trainer, Revised HRS Training Comparison, USEPA Region 7, 1988. During the revision process of the HRS, trained FIT staff, state site assessment personnel, and EPA site assessment managers in use of the revised model and ways in which the changes affected the site assessment process.

Trainer, Preliminary Assessment/Site Inspection and HRS documentation record training classes, USEPA Headquarters, 2009 – 2013. Mr. Zimmermann serves as an instructor for two different courses for the EPA CERCLA Education Center. The first course covers the preparation of Preliminary Assessment/Site Inspections and includes a module on scoring sites using the EPA scoring software Quickscore. The second class pertains strictly on the Hazard Ranking System and how to properly score sites. Courses are delivered to EPA site assessment managers, on-scene coordinators, remedial project managers, state employees and tribal environmental staff charged with performing site assessment work, consultants and other interested parties. Since 2008, Mr. Zimmermann has delivered multiple classes in cities associated with EPA and State offices in numerous states in Regions 3, 4, 5, 7, 8, and 9.

Guidance Document Preparation/Special Investigations

Project Manager, Guidance Document and SOP Preparation, NDEQ, 1995. Under the NDEQ contract, Tetra Tech assesses numerous sites, supports NDEQ with Title 118 and 128 assessments and enforcement actions, and aids the state in development of guidance documents, standard operating procedures, and management plans. For NDEQ he developed standard operating procedures for conducting various pre-remedial investigations, and guidance documents for assessing data and scoring sites. Tetra Tech also developed a catastrophic animal mortality management plan which detailed plans for animal disposal in the event of a foreign animal disease outbreak. Tetra Tech also developed a guidance document for the implementation of Nebraska's voluntary cleanup program.

Technical Experience – RCRA

Under the TES 12, RCRA implementation, REPA, and REPA 2 contracts managed and conducted numerous investigations including:

Project Manager, RCRA Facility Assessments (RFA) at Multiple sites in Region 10, USEPA Region 10, 1993- 1995. Mr. Zimmermann conducted RCRA Facility Assessments under the Technical Enforcement Support contract to EPA Region 10. Sites assessed include the Barrow Landfill, Barrow Alaska; Washington Chemicals Company in Spokane, Washington; Fuel Processors, Inc. in Woodland, Washington; and Siemens Power

Corporation in Richland, Washington. Also managed 15 CERCLA Environmental Priorities Initiative PAs (which were hybrid RFA/PA documents) for a sites in Oregon, Washington and Idaho.

Project Manager, RCRA Operations and Maintenance inspections at Multiple Refinery sites in Region 10, USEPA Region 10, 1993- 1995. Managed and conducted RCRA operations and maintenance (O&M) inspections at refinery sites including the Texaco Refinery in Anacortes Washington and the Tessoro Refinery in Kenai, Alaska.

Conducted reviews of RCRA facility investigation (RFI) workplans and related documents, and Corrective Measures Study (CMS) reports for the U.S. Coast Guard Kodiak Island facility.

Project Manager, RCRA Corrective Action Oversight, Harcros Chemical site, Kansas City, Kansas, USEPA Region 7, 1989- 1991. Provided corrective action oversight support to EPA Region 7 at the Harcros Chemicals site in Kansas City Kansas. Work included reviewing an extensive RCRA Facilities Investigation to determine adequacy of investigation, and negotiating with facility. Coordinated with hydrogeologists and groundwater modelers to estimate fate and transport of chlorinated solvent migration through unsaturated and saturated matrices to the Kansas River.

SCIENTIFIC/TECHNICAL PUBLICATIONS

2003 EPA National Site Assessment Symposium. Presented paper entitled “START, Region 7 GIS System Application” at the 2003 U.S. Environmental Protection Agency National site Assessment Symposium in Pittsburg, Pennsylvania on the beneficial use of GIS in site assessment applications.

2014 Ninth International Conference on Remediation of Chlorinated and Recacitrant Compounds. Presented paper entitled “Incremental Sampling Approach to Verify and Refine Results of traditional Discrete Sampling at Rhylander Park.”

ADDITIONAL TRAINING/CERTIFICATIONS

The Decision-Making Process: Risk Assessment; Risk Management; Risk Communication, U.S. EPA Region 7, 1988

Toxic Air Release Contingency Planning, EPA Region 7, 1988

24-Hour Exposure Assessment Workshop, EPA, 1988

HRS II Training, 1988

24-Hour Air Pathway Analysis at Superfund Sites, EPA, 1989

Seminar on Transport and Fate of Contaminants in the Subsurface, EPA, 1989

24-Hour Corporate Emergency Response Training, 1989

40-Hour Drilling Oversight and Subsurface Investigation Training, 1990

8-Hour Supervisor Training, 1992

4-Hour Train-the-Trainer Emergency Responder Nuclear, Biological and Chemical Responder Operations Course. December 1999.

4-Hour Train-the Trainer Emergency Responder Nuclear, Biological and Chemical Responder Awareness Course. December 1999.

Domestic Preparedness, Defense Against Weapons of Mass Destruction,

Sharpening Your Site Inspections for EPA, 2001

16-Hour RCRA Corrective Action Workshop, 2002

8-Hour HRS Superscreen / HRS Quickscore Training, 2004

ADDITIONAL EXPERIENCE

MS Excel, MS Word, MS Outlook, MS Project, MS Access, HRS Quickscore

EMPLOYMENT HISTORY

1997 – Present	Program Manager/Team Leader, Tetra Tech, Inc., Kansas City Missouri
1991 - 1997	Program Manager/Team Leader, Tetra Tech EM Inc., Seattle, Washington
1990 - 1991	Project Manager, Ecology and Environment, Inc. Seattle, Washington
1987-1990	Project Manager, Ecology and Environment, Inc. Overland Park, Kansas
1986	Creel Clerk, Kansas Fish and Game Commission, Lawrence, Kansas