

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Prepared for:

KC Water

7300 Hawthorne Road

Kansas City, Missouri 64120

February 2023

Olsson Project No. 022-01948



ACRONYMS AND ABBREVIATIONS

AAI.....	All appropriate inquiry
AIRS	Aerometric information retrieval system
ASTM.....	American Society for Testing and Materials
AST.....	Aboveground storage tank
AUL.....	Activity and use limitation
BGS	Below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQG.....	Conditionally exempt small quantity generator
CFR	Code of Federal Regulations
COC.....	Chemicals of Concern
CORRACTS.....	Corrective Action Sites
CREC	Controlled recognized environmental condition
EPA	U.S. Environmental Protection Agency
ERNS.....	Emergency Response Notification System
ESA	Environmental Site Assessment
FINDS	Facility Index System
HREC	Historical recognized environmental condition
LAST.....	Leaking aboveground storage tank
LQG.....	Large quantity generator
LUST	Leaking underground storage tank
MCL.....	Maximum contaminant level
MSDS	Material safety data sheet
NFA	No further action
NFRAP	No further remedial action planned
NGVD	National Geodetic Vertical Datum
NonGens.....	No longer generates hazardous waste
NOV.....	Notice of violation
NPL.....	National priorities list
NRCS	U.S. Natural Resource Conservation Service
PCB	Polychlorinated biphenyl
RCRA	Resource Conservation and Recovery Act
REC.....	Recognized environmental condition
SHWS.....	State hazardous waste site
SQG.....	Small quantity generator
TRI.....	Toxic release inventory
TSDF	Treatment, storage, and disposal facility
TSCA.....	Toxic Substances Control Act
USGS	U.S. Geological Survey
UST	Underground storage tank
VCP	Voluntary cleanup program

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SUMMARY

Olsson, Inc. (Olsson) was retained by KC Water to perform a Phase I Environmental Site Assessment (ESA) for the Todd Creek Road Site located at Northwest 144th Street and Todd Creek Road in Kansas City, Platte County, Missouri (hereinafter referred to as the “Property” and shown on Figure 1 in Appendix A). Olsson has performed this ESA in conformance with the scope and limitations of the American Society for Testing and Materials Practice E1527-13 (ASTM E1527-13). A summary of the ESA findings based on a review of historical records, regulatory databases, site reconnaissance, and interviews is as follows:

- Olsson did not identify any recognized environmental conditions (RECs) over the course of this ESA.

This report must be read in its entirety to develop a comprehensive understanding of the ESA information process.

1. INTRODUCTION

The Property and vicinity are generally characterized as mostly agricultural and light industrial. The following table summarizes the Property description and physical setting. A Vicinity Map depicting the Property location and Site Map are included in Appendix A.

PROPERTY DESCRIPTION AND PHYSICAL SETTING		
Property Legal Description	Section 36, Township 53 North, Range 34 West and Section 1, Township 52 North, Range 34 West	
Potable Water Provider	KC Water	
Sanitary Sewer Provider	KC Water	
Land Area	Approximately 170 acres	
PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
Topography (Refer to Appendix A for an excerpt of the USGS Topographic Map)		
Property Elevation	916 feet above sea level	USGS 7.5-Minute Topographic Map, Ferrelview, MO 2017
Groundwater Flow Direction *	Southwest	
Surface Runoff/ Topographic Gradient	Generally South	

* The hydrogeologic gradient is unknown but is inferred based on the topographic gradient.

1.1 Purpose of the Environmental Site Assessment

This ESA was prepared in a manner consistent with the E1527-13 procedures. The purpose of this ESA is to assist KC Water (also referred to as “User”) in developing information to identify RECs in connection with the Property as defined by the ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The intent of the ESA is to assist the User in achieving an innocent landowner defense through the completeness of “all appropriate inquiry” (AAI) under Section 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA, 42 U.S.C. 9607), as modified by the Brownfields Amendment. It is the responsibility of the User to notify Olsson if this ESA is intended for any other purpose.

ASTM E1527-13 defines a REC as the presence or likely presence of any hazardous substances or petroleum products (as defined in ASTM E1527-13) in, on, or at a 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. *De minimis* conditions are not considered recognized environmental conditions.

De minimis conditions are conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be *de minimis* are not RECs nor controlled recognized environmental condition (CRECs).

A CREC is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls).

ASTM E1527-13 also utilizes the term historical recognized environmental condition (HREC) to describe a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). In subsequent updates or revisions to an ESA, conditions initially identified as HRECs may be considered RECs if there has been a change in the regulatory criteria since the past release received closure approval.

Additionally, ASTM E2600-15 identifies a vapor encroachment condition (VEC) as the presence or likely presence of chemical of concern (COC) vapors in the sub-surface of the Property caused by the release of vapors from contaminated soil or groundwater either on or near the Property. Although ASTM E2600-15 is not intended to alter or in any way define the scope of ASTM E1527-13, COC vapors must be taken into consideration when investigating contamination that could be located on the Property, having originated on the Property or having migrated onto the Property.

1.2 Scope of Services

This ESA was performed in accordance with our Client-approved proposal dated March 16, 2022. The ESA scope of services was undertaken through a review of regulatory databases; state and local government databases and officials; historical and physical record resources; interviews as applicable; User-provided information, and; visual noninvasive reconnaissance of the Property

and adjoining properties. Any limitations, ASTM E1527-13 deviations, or significant data gaps are presented in the report text.

Other additional services, including business environmental risk, and other non-scope issues detailed in ASTM E1527-13 (e.g. asbestos sampling, lead-based paint sampling, wetlands review, lead in drinking water sampling, radon testing, etc.), were not conducted as part of the ESA for the Property.

1.3 Limitations and Exceptions

This ESA is not to be construed as legal interpretation or advice. We have endeavored to meet the ASTM E1527-13 standard, but we may have been limited by Property conditions or by the inability to review information not received by the report date. An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of an ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the User of this report formulates opinions as to risks associated with the Property or otherwise uses the report for any other purpose.

The conclusions presented in this report are qualified and limited by the fact that certain indicators of the presence of hazardous materials may have been latent at the time of the site reconnaissance. Olsson cannot and does not accept responsibility for latent conditions, which may, subsequent to the site reconnaissance, become apparent in light of changed circumstances.

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations, or other services not particularly identified and discussed herein. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

This report has been prepared for the sole benefit of Client. The material in it reflects Olsson's best opinion considering the information available at the time of preparation. The report may not be used or relied upon by any other person or entity without the express written consent of the Client and Olsson. All parties are subject to the same limit of liability as agreed to in the contract under which the work was completed. Any use which a third party makes of this report, or any reliance on decisions made based on it, are the responsibility of such third parties. Olsson accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions taken based on this report.

1.4 Reliance

The effective date of the report is March 28, 2022, the date when the database report was generated. The City of Kansas City, Missouri Water Services Department (KC Water) may rely on the findings and conclusions of this report through the viability date of September 24, 2022. Continued viability of the ESA is contingent on the terms set forth in ASTM E1527-13 Sections 4.6 and 4.8.

2. USER-PROVIDED INFORMATION

The following information in this Section was provided by Mr. Richard Snedegar, the User representative to assist in the identification of environmental concerns. A copy of the User provided information is presented in Appendix B.

2.1 Environmental Liens or Activity and Use Limitations

These records are used to determine if there are any environmental liens or AULs in connection with the Property. Recorded land title records and lien records were not provided by the User; however, the User stated that a review of these records did not identify any environmental liens or AULs encumbering the Property or in connection with the Property.

In order to meet the requirements of 40 CFR 312.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or recorded against the Property must be conducted. It is the responsibility of the User to engage a title company, real estate attorney, or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens and AULs currently recorded against or relating to the Property.

2.2 Specialized Knowledge

The User was not aware of any specialized knowledge or experience that is material to RECs in connection with the Property.

2.3 Commonly Known or Reasonably Ascertainable Information

The User was aware of commonly known or reasonably ascertainable information within the local community about the Property. The User stated that a portion of the Property had been used for quarry purposes. The User was not aware of information that is material to RECs in connection with the Property.

2.4 Valuation Reduction for Environmental Issues

Purchase prices that are significantly lower than market value may indicate the presence of hazardous substances or petroleum products. The User stated that purchase price was not applicable at the time of the report.

2.5 Obvious Indicators of Presence or Absence of Contamination

The User was not aware of obvious indicators regarding the presence or likely presence of releases or threatened releases at the Property and the ability to detect releases or threatened releases.

3. HISTORICAL RESOURCE REVIEW

Olsson reviewed historical records provided by Environmental Data Resources (EDR) in an attempt to identify past uses of the Property and adjoining properties and conditions that could represent RECs for the Property. Copies of historical documents are included in Appendix C.

The following historical data sources were reviewed for this ESA.

- Historical topographic maps: 1890, 1894, 1914, 1948, 1950, 1961, 1970, 1975, 2015, and 2017;
- Historical aerial photographs: 1947, 1950, 1960, 1970, 1986, 1990, 1997, 2006, 2009, 2012, and 2016;
- City directory information: 1995, 2000, 2005, 2010, 2014, and 2017; and,
- Sanborn Maps: No Property Coverage.

The Property was mostly vacant since at least 1890. The 1947 aerial photograph depicts farmland, streams, a building and a drive on the Property. By 1960, surface mining is present on the southern portion of the Property. The 1961 topographic map labels this portion of the Property as "Quarry". By 1986, the mining operations are not as prevalent on the Property. The remaining portion is mostly farmed with a portion on the southwest side associated with a homestead adjoining the Property. By 1990, the southern portion of the Property is mostly used for surface mining. This operation appeared to continue through at least 1997. By 2006, most of the area had been grown over with grass and trees. The southwest corner of the Property appeared to be a dirt/gravel area. The Property appears similar through at least 2016.

The adjoining properties to the north, east, south, and west were mostly used agriculturally since at least 1890. Homesteads were present north, south, and west of the Property since at least 1947. By 1970, surface mining activities are present south of the Property. A wastewater treatment plant is present southeast of the Property at this time. By 1986, the surface mining operation south of the Property had expanded to adjoin the southern portion of the Property. Residential homes east of the Property were developed between 1986 and 2006. The mining operation south of the Property appeared to be overgrown at this time. The adjoining areas surrounding the Property remained similar from this time through 2016.

4. ENVIRONMENTAL RECORDS REVIEW

Database information provided by EDR was reviewed to identify RECs in connection with the Property. Information in this section is subject to the accuracy of the data and the date at which the information was updated by the information services company.

Olsson reviewed the database information for its relevance to the Property; that is, as the information referred to spills or releases either occurring on the Property, or at properties having the potential to affect the Property. As used in this report, the terms “upgradient”, “downgradient”, and “cross-gradient” are used to describe the topographic relationship between the Property and offsite properties relative to the general groundwater flow direction. Refer to the discussion provided in Section 1.

4.1 State and Federal Regulatory Databases

Appendix D contains the database report including the list of searched databases (both ASTM E1527-13-required as well as supplemental databases), database descriptions and results, dates of updates, approximate minimum search distances, and maps. The following table summarizes the database listings identified within the ASTM E1527-13 search radii (second column).

Database Findings Summary

Database Record	ASTM E1527-13 Search Distance (Miles)	Identified Listings
Federal Databases		
NPL	1.0	0
Delisted NPL	0.5	0
CERCLIS/SEMS	0.5	0
CERLCIS NFRAP/SEMS Archive	0.5	0
RCRA CORRACTS	1.0	0
RCRA TSDF	0.5	0
RCRA-LQG	Property/Adjoining Properties	0
RCRA-SQG		0
RCRA-VSQG		0
RCRA-NonGen		0
Federal Institutional Controls	Property Only	0
Federal Engineering Control	Property Only	0
ERNS	Property Only	0

Database Record	ASTM E1527-13 Search Distance (Miles)	Identified Listings
State and Tribal Databases		
State/Tribal NPL (SCS or SHWS)	1.0	0
State/Tribal SEMS	0.5	0
State/Tribal Licensed Landfill List	0.5	0
LUST	0.5	0
LAST	Property/Adjoining Properties	0
USTs		0
ASTs		0
State/Tribal Institutional Controls	Property Only	0
State/Tribal Engineering Controls	Property Only	0
State/Tribal Voluntary Cleanup Sites	0.5	0
State/Tribal Brownfield Sites	0.5	0

The following sections provide a description of the ASTM E1527-13 databases. Section 4.2 provides discussions regarding pertinent database listings for the Property and immediate vicinity.

4.1.1 NPL, Delisted NPL, SEMS, and SEMS Archive

The U.S. Environmental Protection Agency (EPA) maintains a Superfund Enterprise Management System (SEMS) database of potentially hazardous waste facilities that have been reported to the EPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the CERCLA. The National Priorities List (NPL) database is a subset of SEMS that identifies facilities that the EPA has assigned a priority cleanup status under the Superfund Program. These may become Delisted NPL (removed from the NPL list), CERCLA Information System (CERCLIS) No Further Remedial Action Planned (NFRAP), or SEMS Archive (SEMS Archive) facilities when the EPA determines that no further response is appropriate or planned for a facility.

4.1.2 RCRA CORRACTS

The EPA maintains a Resource Conservation and Recovery Act (RCRA) corrective action facility database (CORRACTS) of hazardous waste handler facilities where corrective action activity has occurred or is occurring.

4.1.3 RCRA TSDF

The RCRA treatment, storage, and/or disposal facility (TSDF) database is maintained by EPA to identify facilities that treat, store, or dispose of hazardous waste as defined by RCRA.

4.1.4 RCRA Generators

The EPA manages a database of RCRA facilities that generate hazardous waste. RCRA Large Quantity Generator (LQGs) facilities generate over 1,000 kilograms (kg) of hazardous waste or over 1 kg of acutely hazardous waste per month. RCRA Small Quantity Generator (SQG) facilities generate between 100 kg and 1,000 kg of hazardous waste per month. RCRA Very Small Quantity Generators (VSQGs), formerly identified as Conditionally Exempt Small Quantity Generator (CESQGs), facilities generate less than 100 kg of hazardous waste or 1 kg of acutely hazardous waste per month. The EPA RCRA generator database also lists facilities that have filed a status change from RCRA waste generator to an operation that no longer generates hazardous waste (NonGen).

4.1.5 Federal Institutional and Engineering Controls

The EPA maintains a list of facilities where institutional controls/engineering controls are in place to manage contamination that the agency approved to remain onsite. Administrative measures involving institutional controls can include groundwater use restrictions, construction restrictions, activity use limitations, and post-remediation care requirements intended to prevent exposure to contaminants. Deed restrictions are generally required as part of the institutional controls.

Engineering controls include various physical capping barriers, building foundations, liners, and treatment methods protective of human health and the environment.

4.1.6 Emergency Response Notification System (ERNS)

The U.S. Coast Guard National Response Center maintains a database of reported releases of oil and hazardous substances.

4.1.7 State/Tribal Superfund or Hazardous Waste Sites (SHWS)

A State/Tribal Superfund or Hazardous Waste Sites (SHWS) database is maintained by the Missouri Department of Natural Resources (MDNR). The SHWS facility list is intended to be a state-level equivalent of the NPL and CERCLIS databases.

4.1.8 State/Tribal Landfill and/or Solid Waste Disposal Sites

The State/Tribal Landfill and/or Solid Waste Disposal Sites databases are a list of facilities maintained for the disposal of municipal solid waste (landfills).

4.1.9 State/Tribal Leaking Storage Tank Lists

MDNR maintains a listing of leaking underground storage tank (LUST) and leaking aboveground storage tank (LAST) facilities.

4.1.10 State/Tribal Storage Tanks

MDNR maintains a database of registered aboveground storage tanks (ASTs) and underground storage tanks (USTs).

4.1.11 State/Tribal Institutional Controls

Similar to the EPA federal list of institutional controls/engineering control facilities, the MDNR maintains a listing of facilities assigned with State institutional controls.

4.1.12 State/Tribal Voluntary Cleanup Sites

MDNR maintains a listing of facilities where owners and parties responsible for contamination have voluntarily undertaken cleanup activities overseen by the state.

4.1.13 State/Tribal Brownfields

MDNR maintains a database of facilities where expansion, redevelopment, or reuse of the facilities may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

4.1.14 Other

Database providers frequently report supplemental database search findings outside the required ASTM E1527-13 coverage. These may include: Facility Index System/Facility Registry System (FINDS), the Aerometric Information Retrieval System (AIRS), SPILLS, TANKS, Historical Gas Stations, Historical Dry Cleaners, and other supplemental database resources. The supplemental database information is discussed where relevant to the Property.

4.2 Database Information

The regulatory database review identified zero database listings within the prescribed ASTM E1527-13 search radii; however, five supplemental database listings were identified. The following sections discuss database listings pertaining to the Property and in the immediate vicinity.

4.2.1 Property Database Listings

The Property was referenced in the environmental database report in the MINES, FINDS, and ECHO databases as the following listings:

Miller Quarry

The database identified this listing as a surface mine operated by Midwest Precote Co. There was no other information provided.

Miller Mill

The database identified this listing as a limestone plant operation. There was no other information provided.

Superior Bowen Asphalt Co LLC-144th (Plant 2)

The database identified this listing in the FINDS and ECHO databases. These databases are associated with compliance data systems to track emissions and compliance data from industrial plants.

Ferrelview Quarry

The database identified this listing as a past producing surface mine operation. The Primary commodities being crushed/broken stone. No other information was provided.

4.2.2 Vicinity Database Listings

There were no vicinity database listings identified.

4.2.3 **Unmapped “Orphan” Listings**

Unmapped orphan database listings are facilities that a database provider typically could not locate because of inadequate geocode or address information. The database report listed zero unmapped or “orphan” facilities located in the Property zip code area.

4.3 Vapor Encroachment Screening

Information gathered during the ESA was used to perform a Tier 1 vapor encroachment screening (VES) in general accordance with ASTM E2600-15 minimum search distances to satisfy the vapor migration requirements of ASTM E1527-13. The approximate minimum search distance is based upon the type of COC, that is, petroleum hydrocarbons versus non-petroleum hydrocarbons, and the location of the known or suspect source of contamination with respect to the Property. The search distances used for petroleum hydrocarbon COCs are:

- 1/10-mile upgradient or cross-gradient
- 100 feet downgradient

The search distances used for non-petroleum hydrocarbon COCs and light non-aqueous phase liquid (LNAPL) are:

- 1/3-mile upgradient or cross-gradient
- 300 feet downgradient

The vapor encroachment screening has revealed no evidence of potential sources of COC vapor that could exist in the Property sub-surface.

4.4 State and Local Government Databases & Officials

Olsson contacted pertinent state and local government agencies for information regarding the Property. The following sections summarize the government agency contact information.

4.4.1 Missouri Department of Natural Resources

The MDNR regulatory database was accessed on April 18, 2022, to research environmental permits, citations, or violations for the Property. Review of the MDNR records did not identify listings of record for the Property or adjoining properties.

5. PROPERTY AND ADJOINING PROPERTY RECONNAISSANCE

The following sections describe the Property and adjoining property features noted during Olsson’s site reconnaissance on April 4, 2022.

5.1 Limiting Conditions

Observation of the Property surface features was not restricted at the time of the reconnaissance; therefore, limiting conditions which would otherwise represent a data gap were not encountered.

5.2 Reconnaissance Methodology

Upon arrival at the Property, Olsson personnel walked the Property boundary. Olsson observed the adjacent property features from property boundary. Photo documentation of representative features observed during the Property reconnaissance is provided in Appendix E.

5.3 Current and Past Uses of the Property

The Property is currently mostly agricultural land, with a gravel parking and storage area. The southern portion of the Property is forested. The Property is accessed via Interurban Road.

5.4 Property Reconnaissance

Notable features identified during Olsson’s Property reconnaissance are designated by an “X” in the following table. Paragraphs following the summary table discuss the reconnaissance observations in greater detail.

Category	Item or Feature	Observed
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Other processes or equipment	
Aboveground Petroleum or Chemical Storage	Aboveground storage tanks (AST)	
	Drums, barrels and/or containers ≥ 5 gallons	

Category	Item or Feature	Observed
Underground Petroleum or Chemical Storage, or Waste and Drainage Collection Systems	Evidence of underground storage tanks (UST) or ancillary UST equipment	
	Floor drains, sumps, or storm water drains	
	Cisterns or sand traps	
	Oil/water separators	
	Septic tanks and/or leach fields	
	Grease traps	
Equipment Containing Potential Polychlorinated Biphenyls (PCBs)	Pad or pole-mounted electrical transformers and/or capacitors	
	Other equipment	
Potential Release Sources and/or Indicators	Discolored vegetation	
	Areas bare of vegetation	
	Stained soil or pavement	
	Strong, pungent, or noxious odors other than that associated with property processes	
	Surface water discoloration, odor, sheen, and/or floating free product	X
	Dumped trash, construction or demolition debris, fill dirt, artificial fill, or disposal areas	X
	Exterior pipe discharges and/or other effluent discharges	
	Leachate and/or waste seeps	
	Laboratory hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
Material safety data sheets (MSDS)		
Other Notable Property Features	Pits, ponds, or lagoons	
	Pipeline markers	
	Wells – irrigation, dry, monitoring, or abandoned	
	Other features	

5.4.1 Potential Release Sources and/or Indicators

Surface water discoloration, odor, sheen, and/or floating free product

An area on the west-central portion of the Property near a pile of hay, gravel, and grasses contained rain run-off that was brown in color. No odor was observed. This is considered de minimis.

Dumped trash, construction or demolition debris, fill dirt, artificial fill, or disposal areas

A dumped trash/burn pile was observed near the west-central portion of the Property. The pile contained mostly wood pallets, branches, leaves, and other miscellaneous trash items. There were no leaks or stains observed around the trash/burn pile.

5.5 Adjoining Property Reconnaissance

Visual observations of adjoining properties (from property boundaries) are summarized below:

Direction	Description
North	Agricultural land adjoins the Property to the north, followed by a church, private residence and Highway 92.
East	Todd Creek Road adjoins the Property to the east, followed by private residences.
South	NW 144 th Street adjoins the Property to the south, followed by forested land, and a water treatment plant to the southeast.
West	A trucking facility and private residence adjoin the Property to the west followed by Interurban Road.

6. INTERVIEWS

Mr. Richard Snedegar, User Representative, completed the User Questionnaire and is referred to in Section 2.

Mr. Aaron Schmidt, Current Property Owner and Representative of Hunt Midwest filled out the Current Owner questionnaire. Mr. Schmidt stated that the Property may have been used to store limestone dust from the adjoining quarry. This questionnaire is provided in Appendix B.

7. EVALUATION AND CONCLUSIONS

Olsson has performed this ESA in conformance with the scope and limitations of ASTM Practice E1527-13. There were no significant data gaps, exceptions to, or deletions from, this standard.

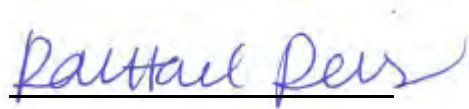
The following paragraphs discuss our evaluation of features, database listings, and observations that warrant further discussion. Olsson does not consider the remaining features, listings, and observations identified in the report to represent environmental concerns for the Property due to location, regulatory status, and/or documented conditions.

In Olsson's opinion, the trash/burn pile and discolored runoff water are considered de minimis and do not represent RECs for the Property. The former use of a portion of the Property as a surface mine is considered de minimis.

8. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Olsson conducted this ESA and reviewed all appropriate records made available to Olsson within the performance period of this assessment, conducted property inspection, and performed an analysis of current and historical information collected during the record search. The information contained within the ESA report, to the best of Olsson's knowledge, is correct.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practice set forth in 40 CFR Part 312. Qualifications and credentials for the Environmental Professional and the qualifications of the personnel conducting the site reconnaissance and interviews if conducted by someone other than an environmental professional are included in Appendix F.

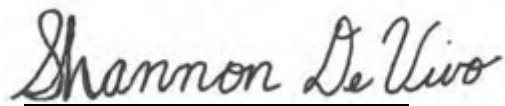


Rachael Reis

Environmental Professional

February 8, 2023

Date



Shannon DeVivo, PE

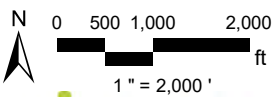
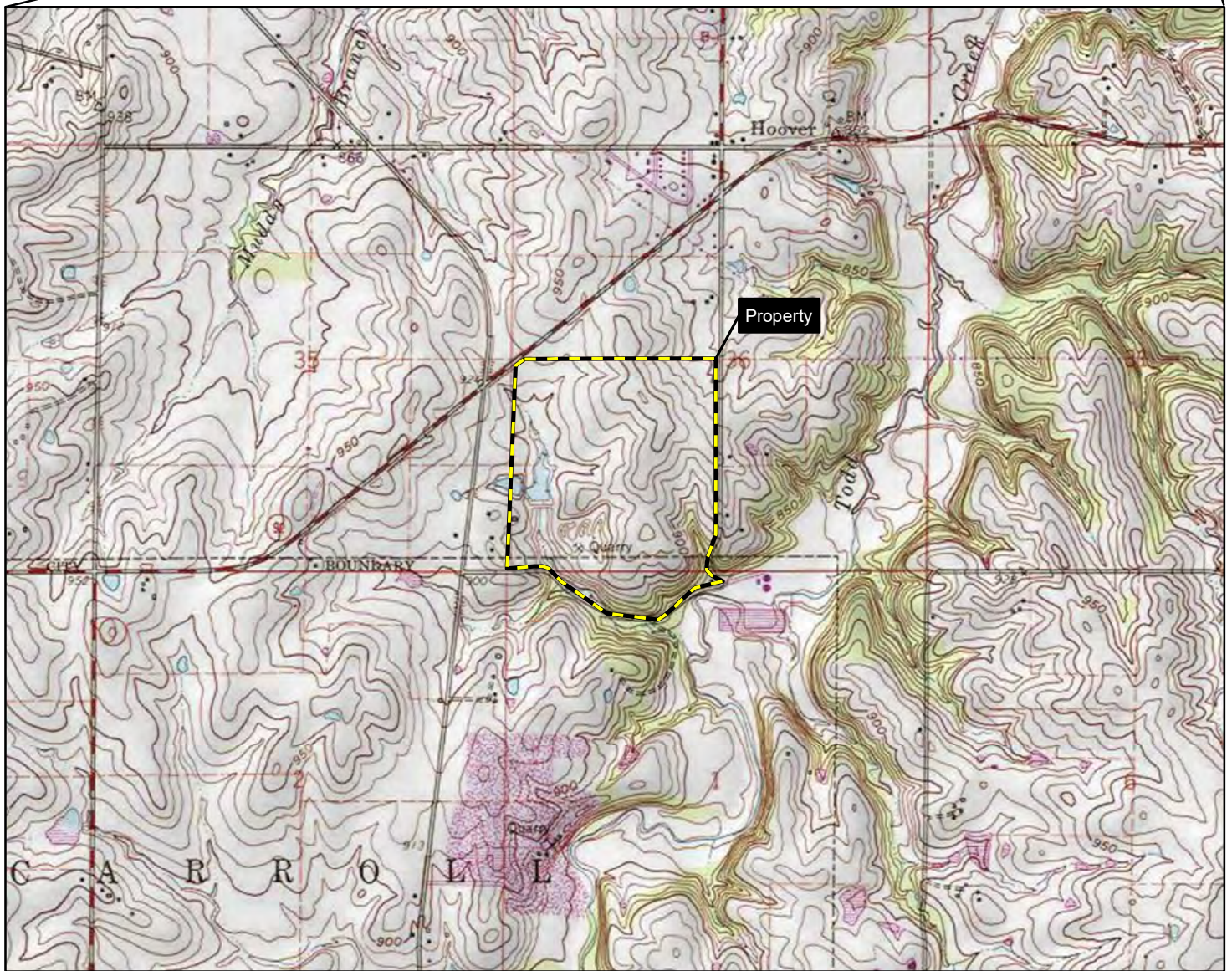
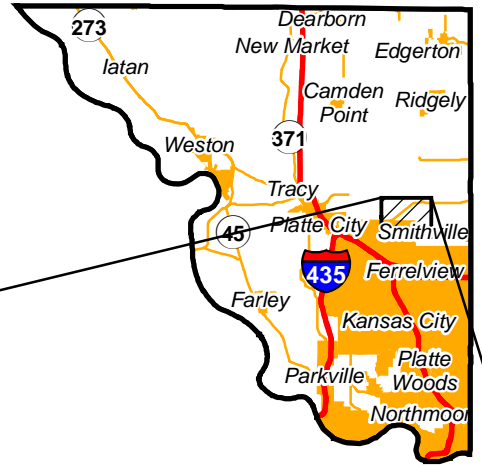
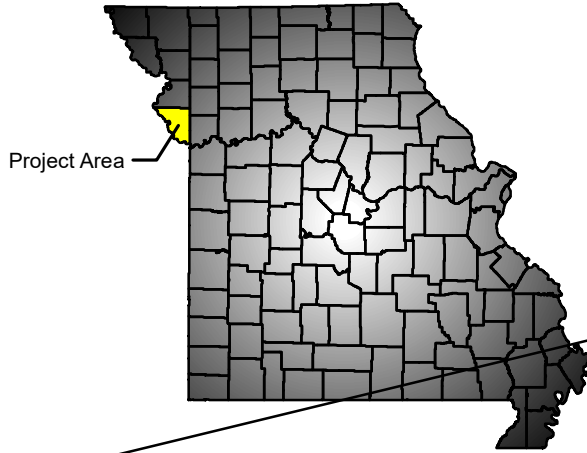
Reviewer

APPENDIX A

Figures

MISSOURI

PLATTE COUNTY

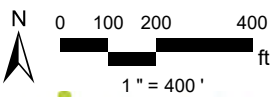


KC Water
Todd Creek Road and NW 144th Street
 Phase I ESA

Kansas City, Platte County, Missouri

Vicinity Map

Figure 1



 Property

KC Water
Todd Creek Road and NW 144th Street

Phase I ESA
Kansas City, Platte County, Missouri

Site Map
Figure 2

APPENDIX B

User Questionnaire



**ASTM E 1527-13
PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)
USER QUESTIONNAIRE**

Property Name:

Property Address:

Introduction

In order to qualify for one of the Landowner Liability Protections (LLPs)¹⁸⁷ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”),¹⁸⁸ 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.

ASTM E 1527-13 defines the “User” as the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

1. Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

NOTE 1— 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.

No Yes If yes, please explain.

2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.2(a)1(v) and vi).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 above) 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?

No Yes If yes, please explain.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.29).

Do you have any specialized knowledge or experience related to the property or 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?

No Yes If yes, please explain.

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CR 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?

No Yes Not Applicable (N/A) If you conclude that there is a price difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? No Yes If yes, please explain.

Appraisal and negotiation discussions for any property has not taken place.

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 of the past uses of the property?
 - (b) Do you know of specific chemicals that are present or were once present at the property?
 - (c) Do you know of spills or other chemical releases that have taken place at the property?
 - (d) Do you know of any environmental cleanups that have taken place at the property?
- No Yes If yes to any of the above, please explain.

In regards to question (a) above, a portion of the property has been used for quarry purposes.

6. The degree of obviousness of the presence of likely presence of 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 or likely presence of releases at the property?

No Yes If yes, please explain.

Helpful Documents Checklist

Pursuant to ASTM E 1527-13 §10.8, certain information should be collected, if available, and provided to the environmental professional selected to conduct the Phase I ESA. The information is intended to assist the environmental professional, but is not necessarily required to qualify for one of the LLPs.

- Environmental site assessment reports
- Environmental compliance audit reports
- ALTA / ASCM or Site Improvement Map
- Environmental permits (for example solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)
- Registrations for above or underground storage tanks
- Registration for underground injection systems
- Material safety data sheets
- Community right-to-know plan
- Risk assessments
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control (SPCC) plans, facility response plans, etc.
- Reports regarding hydrogeologic conditions on the property or surrounding area
- Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the site or relating to environmental liens encumbering the site
- Hazardous waste generation notices or reports
- Geotechnical studies
- Recorded activity and land use limitations (AULs)

Pursuant to ASTM E 1527-13 §10.9, the following information should be provided prior to the site visit. Are you aware of:

7. Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? No Yes

Unknown

8. Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? No Yes

Unknown

9. Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? No Yes

Unknown

-
10. Purpose for completing the ESA: Potential purchase of a portion of the property.

11. Please verify the correct property address, land area, and building square footage, if known (A map is helpful).

Platte County Missouri parcel identification numbers listed below.

17-1.0-01-000-000-009.000

12-7.0-36-000-000-024.000

12-7.0-36-000-000-014.000

12. Provide the property type (commercial, retail, office, etc.) and the property transaction type (sale, purchase, exchange, etc.)

Vacant land

13. List any special Phase I ESA terms and conditions, and all parties who will be relying on the report.

No special conditions to my knowledge. This report would be used by the City of Kansas City through its' water services department.

14. Property contact name and information (telephone, email, etc.).

Aaron Schmidt, Vice President, Development and Construction, Hunt Midwest

aschmidt@huntmidwest.com

816.459.4285

This questionnaire was completed by:

Richard Snedegar

DocuSigned by:
Richard Snedegar 10/26/2022
75BFE23D4E3D480...

Name

Date

Acquisition and survey Group Manager

KC Water

Title

Company Name

Potential Purchaser

816-513-0297

Relationship to the property

Telephone

QUESTIONNAIRE ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

(Owner)

Individual completing questionnaire: Aaron Schmidt, Hunt Midwest		
Site Name:	Stamper Property	Olsson Project No.
Site Address:	7800 NW 144 th Street	

Please answer the following questions to the best of your knowledge.

No.	Question	Yes	No	?
1.	Is the property or any adjoining property used for an industrial or commercial use?	yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Has the property or any adjoining property been used for an industrial or commercial use in the past?	yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Is the property, or any adjoining property, used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility?	yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility in the past?	yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Are there currently, or have there ever been, any damaged or discarded automotive or industrial batteries, or pesticides, paints or other chemicals in individual containers of greater than 5 gallon in volume or 50 gallon in the aggregate, stored on or used at the property or at the facility?	<input type="checkbox"/>	<input type="checkbox"/>	?
6.	Are there currently, or have there ever been, any industrial drums (typically 55 gal) or sacks of chemicals located on the property or at the facility?	<input type="checkbox"/>	<input type="checkbox"/>	? <input type="checkbox"/>
7.	Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin?	<input type="checkbox"/>	<input type="checkbox"/>	? <input type="checkbox"/>
8.	Are there currently, or have there ever been, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?	<input type="checkbox"/>	<input type="checkbox"/>	? <input type="checkbox"/>
9.	Is there currently, or has there ever been, any stained soil or surfaces on the property?	<input type="checkbox"/>	<input type="checkbox"/>	? <input type="checkbox"/>
10.	Are there currently, or have there ever been, any registered or unregistered storage tanks (above or underground) located on the property?	<input type="checkbox"/>	<input type="checkbox"/>	? <input type="checkbox"/>
11.	Are there currently, or have there ever been, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	<input type="checkbox"/>	no <input type="checkbox"/>	<input type="checkbox"/>
12.	Are there currently, or have there ever been, any flooring, drains or walls located within any structure on the property that are stained by substances other than water or are emitting foul odors?	<input type="checkbox"/>	no <input type="checkbox"/>	<input type="checkbox"/>
13.	If the property is served by a private well, or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental health agency?	<input type="checkbox"/>	<input type="checkbox"/>	? <input type="checkbox"/>

QUESTIONNAIRE ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

Individual completing questionnaire:		
Site Name:		Olsson Project No.
Site Address:		

14.	Are there currently, or have there ever been, any environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Have you been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?	<input type="checkbox"/>	n o	<input type="checkbox"/>
16.	Has any environmental site assessment of the property or facility been completed that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	<input type="checkbox"/>	n o <input type="checkbox"/>	<input type="checkbox"/>
17.	Do you have any knowledge of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	<input type="checkbox"/>	n o <input type="checkbox"/>	<input type="checkbox"/>
18.	Does the property discharge wastewater on or adjacent to the property other than storm water into a sanitary sewer system?	<input type="checkbox"/>	n o <input type="checkbox"/>	<input type="checkbox"/>
19.	To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial factories or any other waste materials been dumped above grade, buried and/or burned on the property?	<input type="checkbox"/>	n o <input type="checkbox"/>	<input type="checkbox"/>
20.	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCB's?	<input type="checkbox"/>	n o <input type="checkbox"/>	<input type="checkbox"/>

? = Unknown

Preparer's Comments. **Please provide further information for any question answered yes above.**
 Property may have been used to store limestone dust from adjacent quarry.

QUESTIONNAIRE ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

Individual completing questionnaire:	
Site Name:	Olsson Project No.
Site Address:	

QUESTIONNAIRE ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

Individual completing questionnaire:	
Site Name:	Olsson Project No.
Site Address:	

1. Please list the current owner(s) of the property:
Hunt Midwest Properties LLC

2. Please list the owner(s) of the property prior to current owner, to the earliest known date possible:

3. What is the time frame the current owner has had control of the property?
20 Years

4. Historical use of the property (type of business operations, name of business, etc.)
Prior to 1940:

After 1940 to current date:

5. Name and contact information of the current businesses or users of property if different than current owner (i.e., lessee(s)):

6. Please provide the current city zoning on property, if known:

Preparer's Comments (if any):

The preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated. This questionnaire was prepared by:

Name: Aaron Schmidt

Date: 4-6-22

Title: Vice President

Firm: Hunt Midwest

Authorized Signature: _____



Address: 8300 NE Underground Drive, KCMO
64161

Print Name: Aaron Schmidt

QUESTIONNAIRE ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

Individual completing questionnaire:	
Site Name:	Olsson Project No.
Site Address:	

Phone: 816.868.7117



APPENDIX C

Historical Information



KC Water - Todd Creek

NW 144 Street/Todd Creek Rd

Platte City, MO 64079

Inquiry Number: 6916277.8

March 29, 2022

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

03/29/22

Site Name:

KC Water - Todd Creek
NW 144 Street/Todd Creek Rd
Platte City, MO 64079
EDR Inquiry # 6916277.8

Client Name:

Olsson
7301 West 133rd Street
Overland Park, KS 66213
Contact: Rachael Reis



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	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
1997	1"=500'	Acquisition Date: January 01, 1997	USGS/DOQQ
1990	1"=500'	Acquisition Date: March 01, 1990	USGS/DOQQ
1986	1"=500'	Flight Date: June 13, 1986	NHAP
1970	1"=500'	Flight Date: October 16, 1970	USGS
1960	1"=500'	Flight Date: November 24, 1960	USGS
1950	1"=500'	Flight Date: June 26, 1950	USGS
1947	1"=500'	Flight Date: November 28, 1947	USGS

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INQUIRY #: 6916277.8

YEAR: 2016

— = 500'





INQUIRY #: 6916277.8

YEAR: 2012

— = 500'





INQUIRY #: 6916277.8

YEAR: 2009

— = 500'





INQUIRY #: 6916277.8

YEAR: 2006

— = 500'





INQUIRY #: 6916277.8

YEAR: 1997

— = 500'





INQUIRY #: 6916277.8

YEAR: 1990

— = 500'





INQUIRY #: 6916277.8

YEAR: 1986

— = 500'





INQUIRY #: 6916277.8

YEAR: 1970

— = 500'



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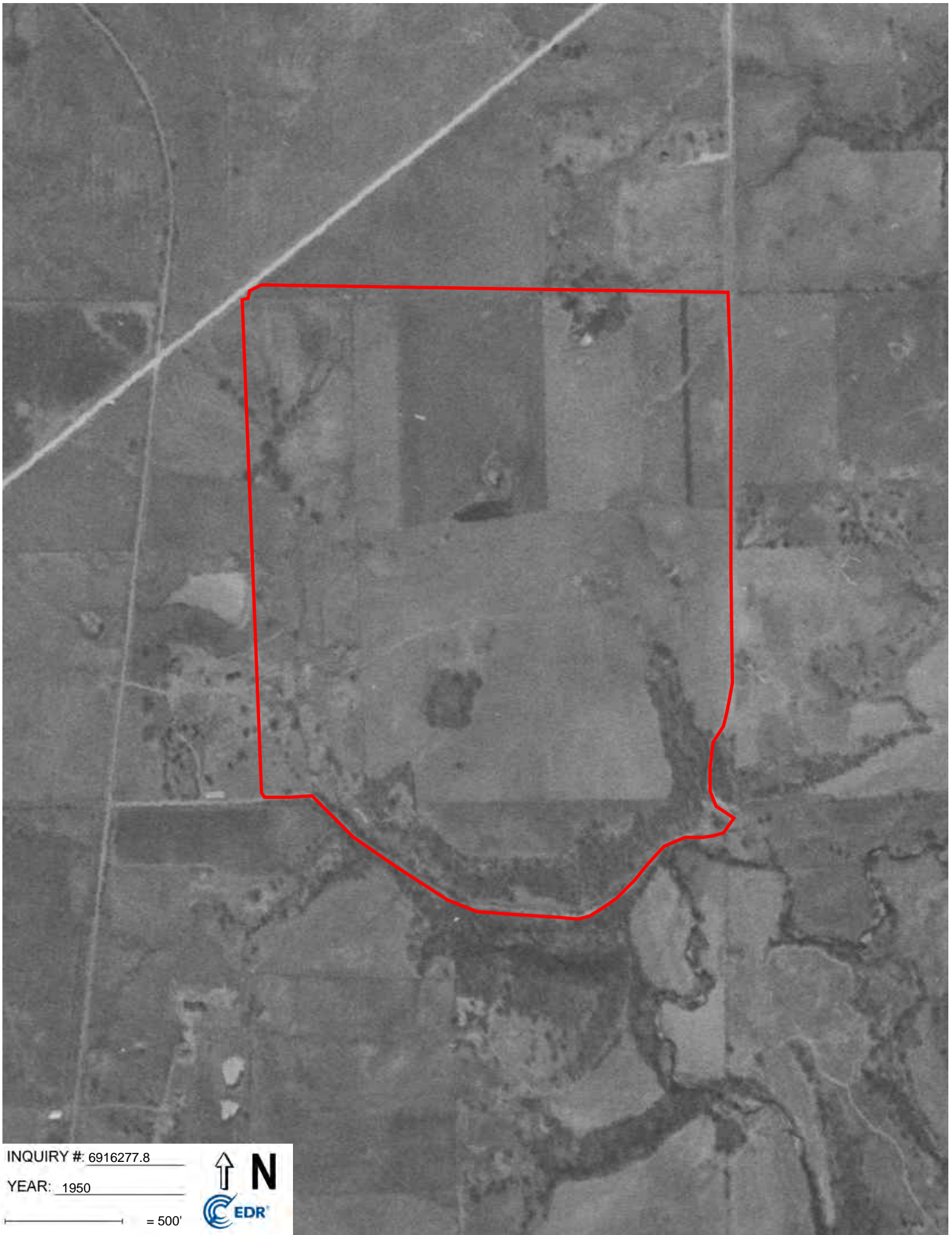


INQUIRY #: 6916277.8

YEAR: 1960

— = 500'





INQUIRY #: 6916277.8

YEAR: 1950

— = 500'





INQUIRY #: 6916277.8

YEAR: 1947

— = 500'



KC Water - Todd Creek
NW 144 Street/Todd Creek Rd
Platte City, MO 64079

Inquiry Number: 6916277.4

March 28, 2022

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

03/28/22

Site Name:

KC Water - Todd Creek
NW 144 Street/Todd Creek Rd
Platte City, MO 64079
EDR Inquiry # 6916277.4

Client Name:

Olsson
7301 West 133rd Street
Overland Park, KS 66213
Contact: Rachael Reis



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Olsson were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	022-01948	Latitude:	39.358241 39° 21' 30" North
Project:	KC Water - Todd Creek	Longitude:	-94.671845 -94° 40' 19" West
		UTM Zone:	Zone 15 North
		UTM X Meters:	355960.81
		UTM Y Meters:	4357865.09
		Elevation:	914.15' above sea level

Maps Provided:

2017	1894
2015, 2014	1890
1975	
1970	
1961	
1950, 1951	
1948	
1914	

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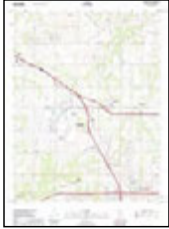
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2017 Source Sheets



Ferrelview
2017
7.5-minute, 24000



Camden Point
2017
7.5-minute, 24000

2015, 2014 Source Sheets



Ferrelview
2015
7.5-minute, 24000



Camden Point
2014
7.5-minute, 24000

1975 Source Sheets



Ferrelview
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1970 Source Sheets



Ferrelview
1970
7.5-minute, 24000
Aerial Photo Revised 1970

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1961 Source Sheets

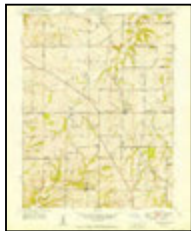


Ferrelview
1961
7.5-minute, 24000
Aerial Photo Revised 1947

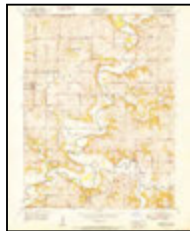


Camden Point
1961
7.5-minute, 24000
Aerial Photo Revised 1947

1950, 1951 Source Sheets



Ferrelview
1950
7.5-minute, 24000
Aerial Photo Revised 1947



Camden Point
1951
7.5-minute, 24000
Aerial Photo Revised 1947

1948 Source Sheets



SMITHVILLE
1948
15-minute, 50000

1914 Source Sheets

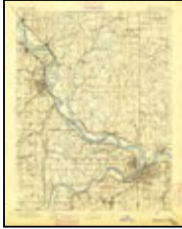


Smithville
1914
15-minute, 62500

Topo Sheet Key

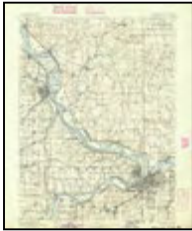
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1894 Source Sheets

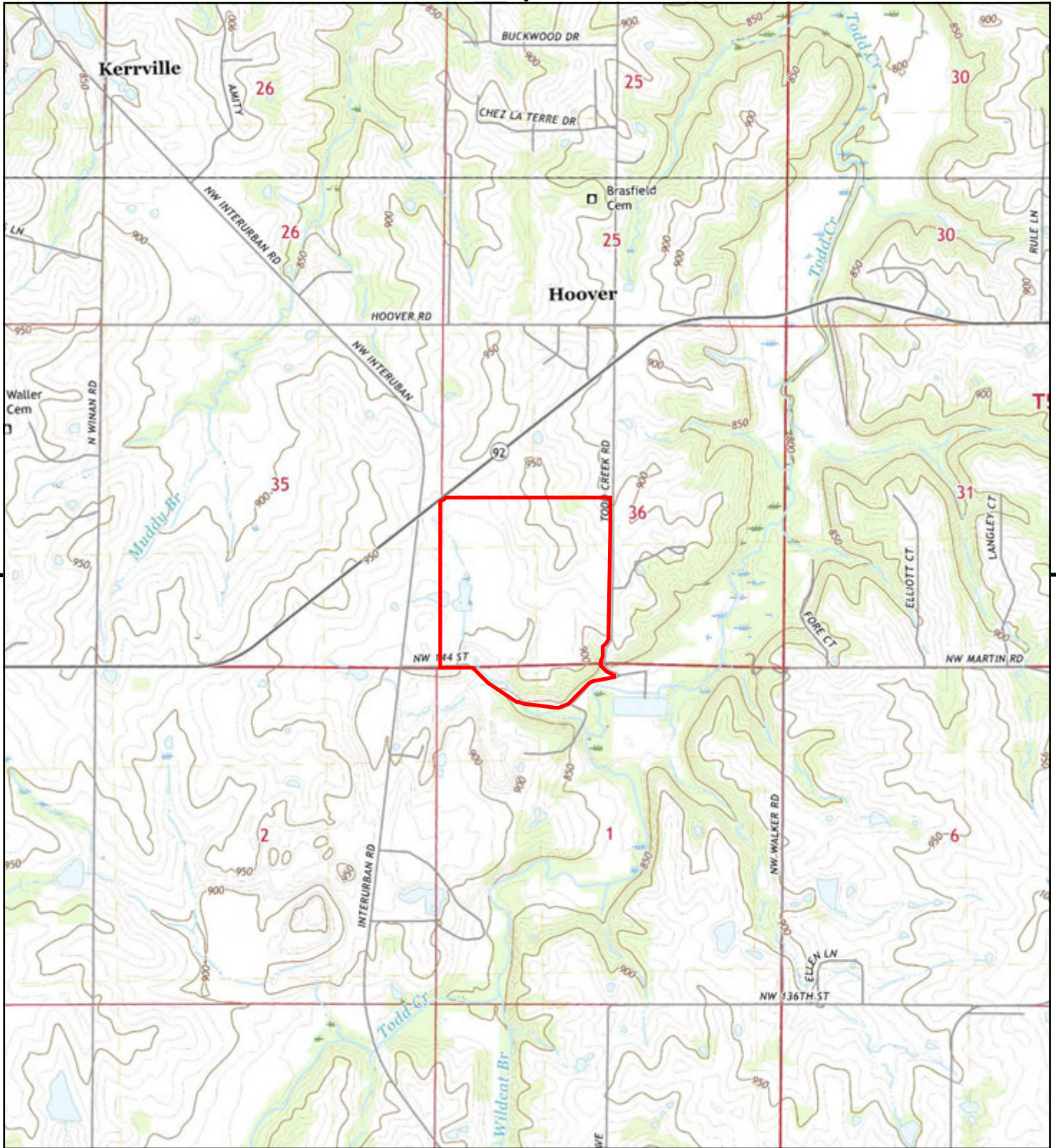


Kansas City
1894
30-minute, 125000

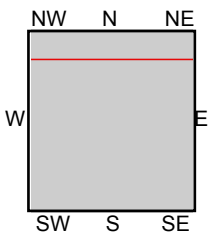
1890 Source Sheets



Kansas City
1890
30-minute, 125000



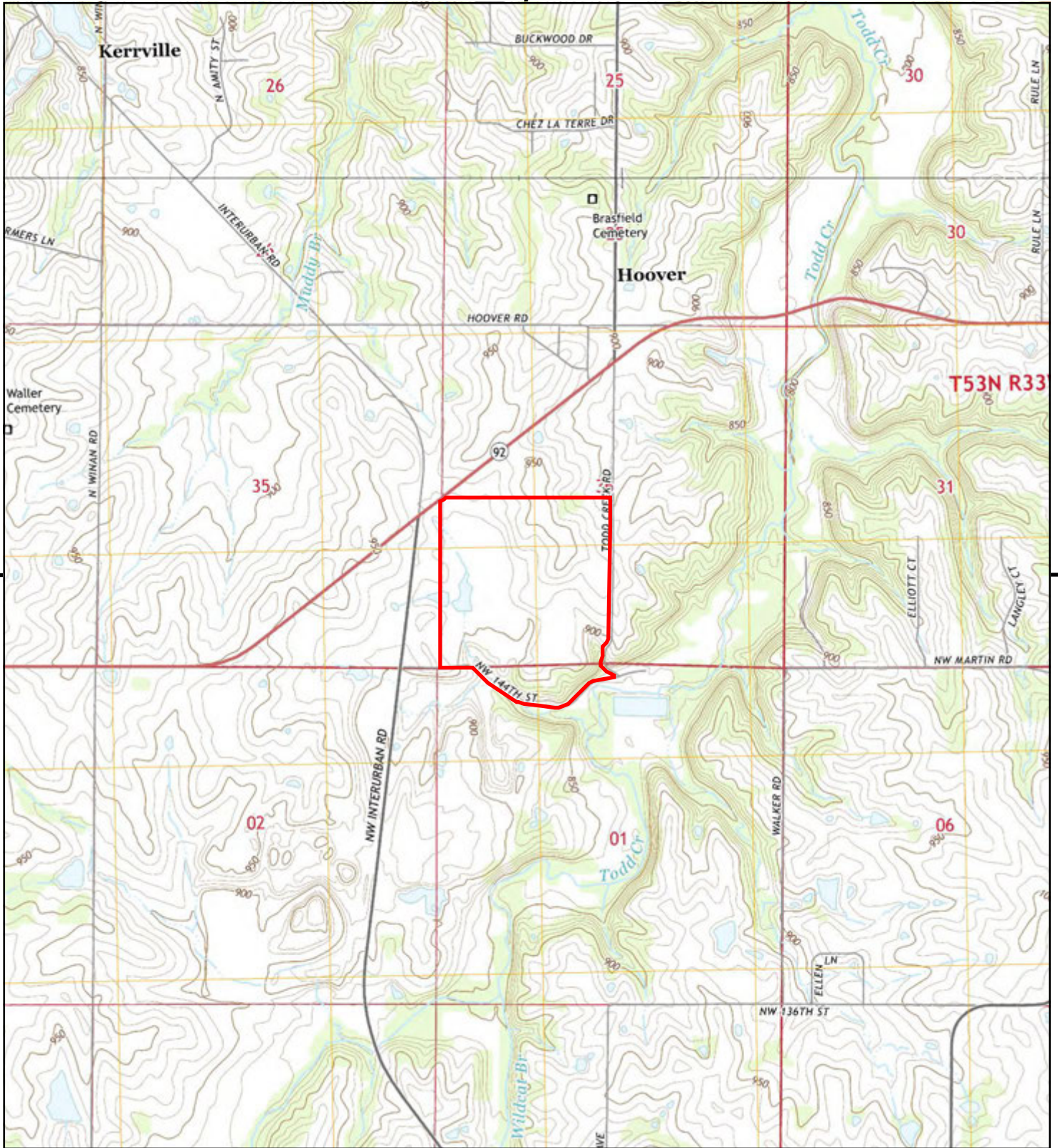
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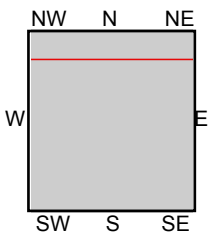
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 N, Camden Point, 2017, 7.5-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





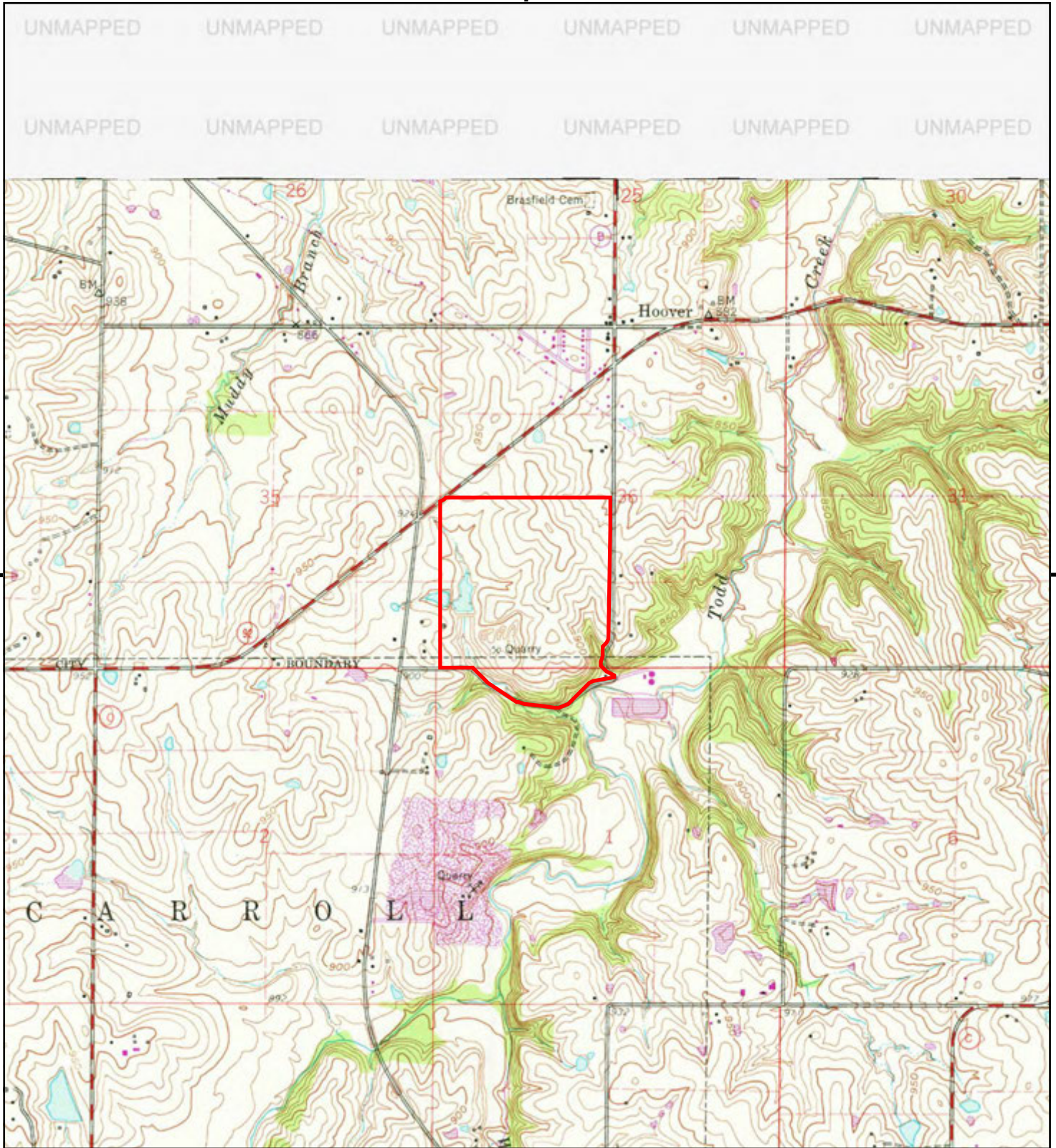
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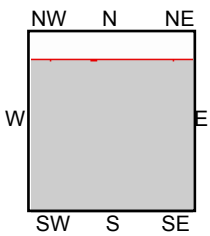
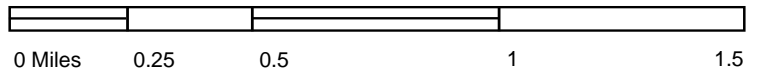
TP, Ferrelview, 2015, 7.5-minute
 N, Camden Point, 2014, 7.5-minute

SITE NAME: KC Water - Todd Creek
ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
CLIENT: Olsson





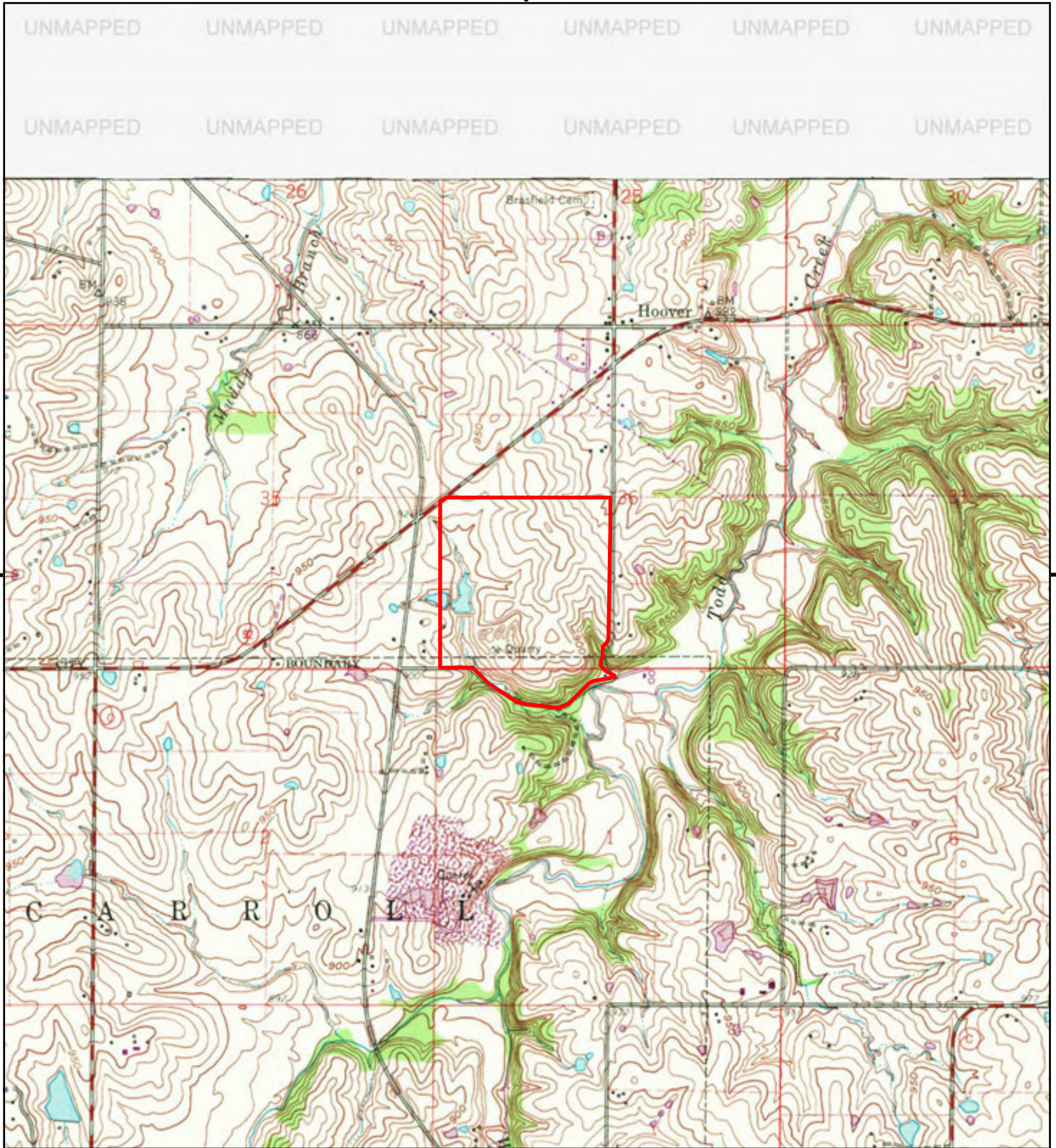
This report includes information from the following map sheet(s).



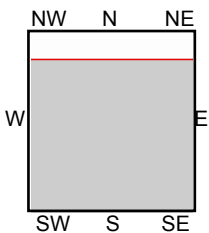
TP, Ferrelview, 1975, 7.5-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





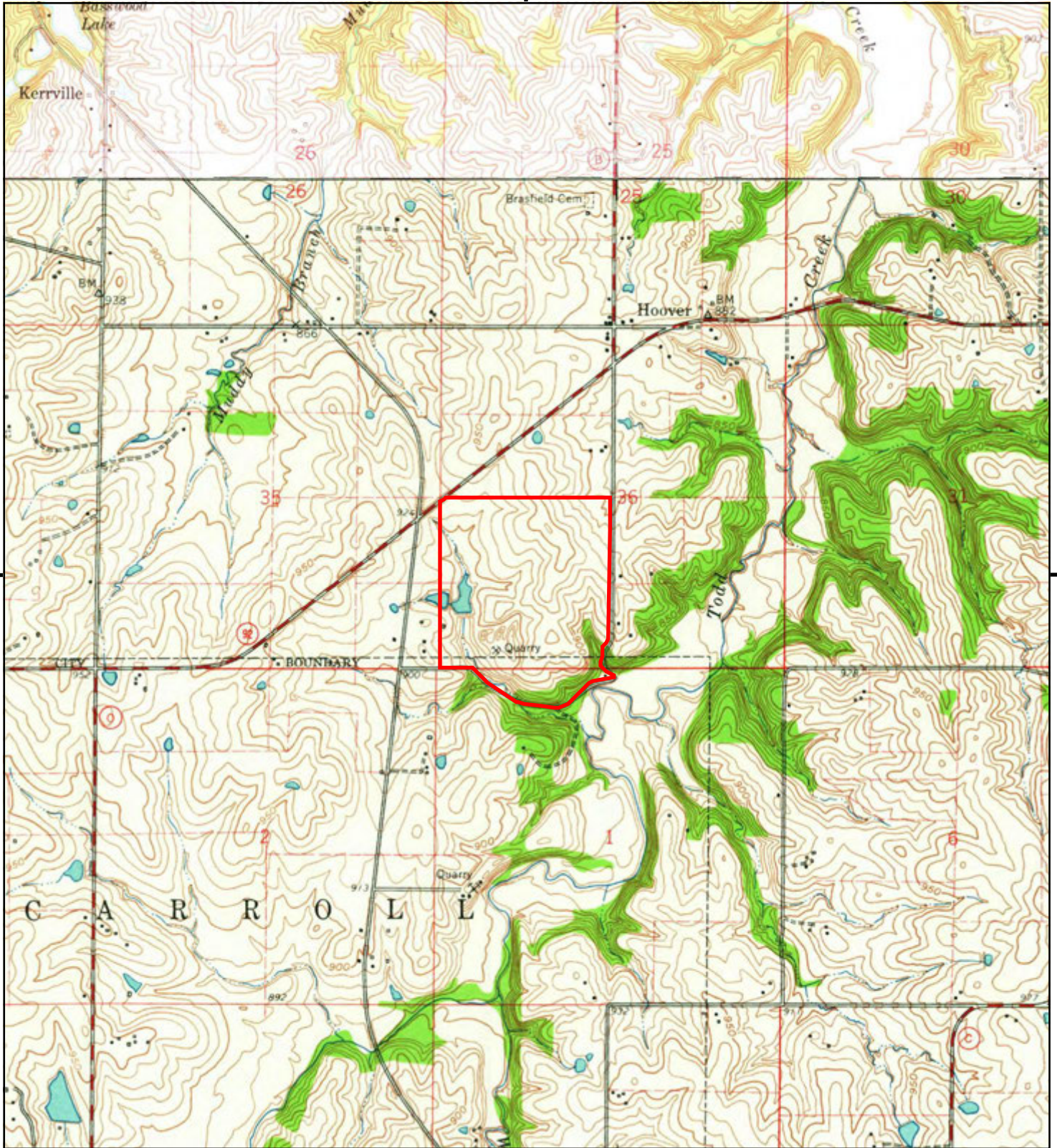
This report includes information from the following map sheet(s).



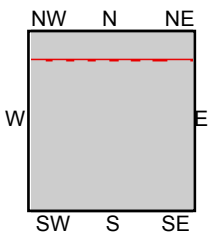
TP, Ferrelview, 1970, 7.5-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





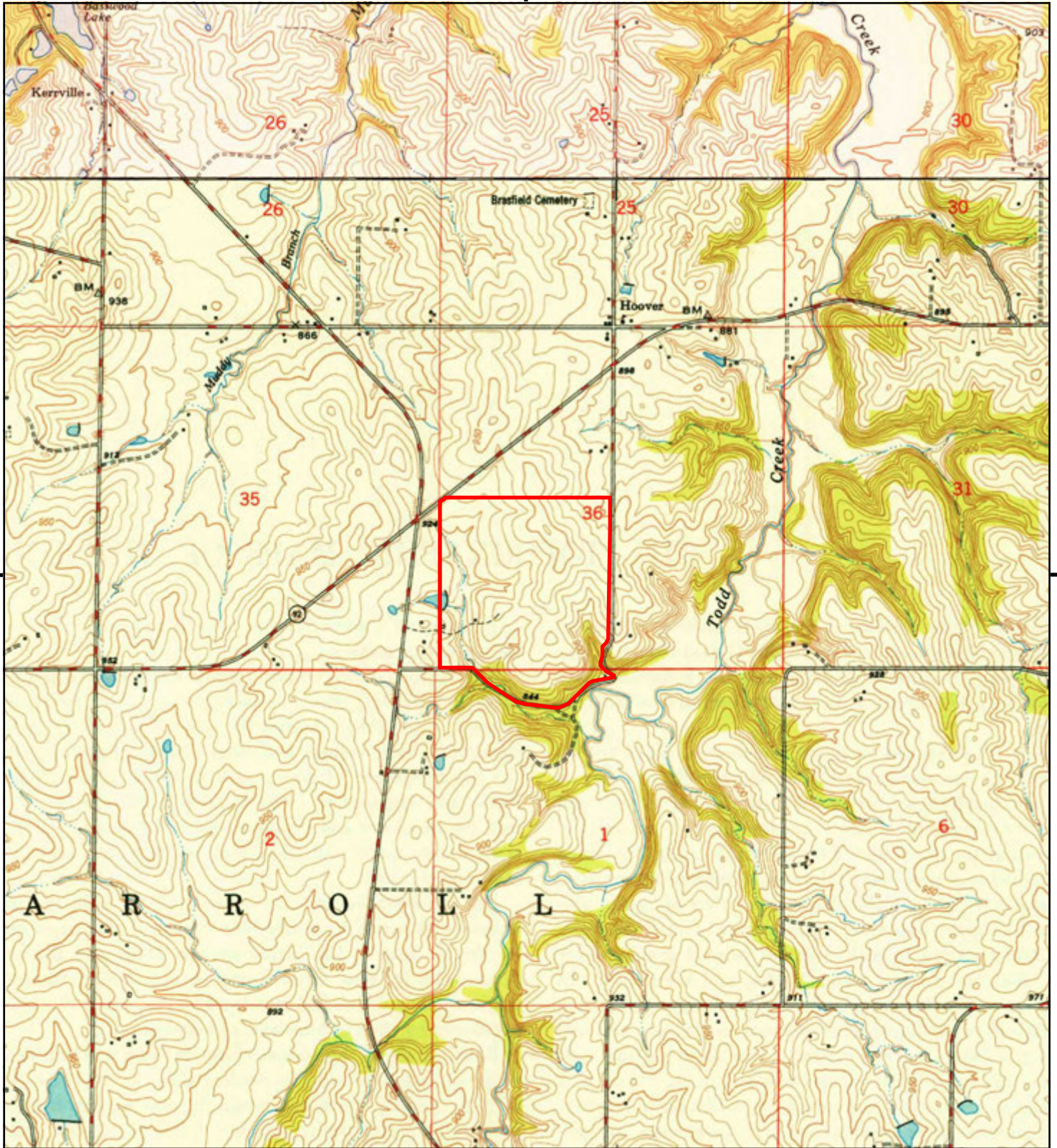
This report includes information from the following map sheet(s).



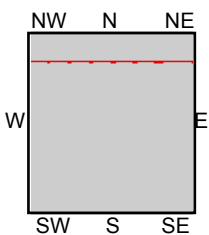
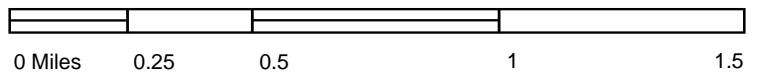
TP, Ferrelview, 1961, 7.5-minute
N, Camden Point, 1961, 7.5-minute

SITE NAME: KC Water - Todd Creek
ADDRESS: NW 144 Street/Todd Creek Rd
Platte City, MO 64079
CLIENT: Olsson





This report includes information from the following map sheet(s).



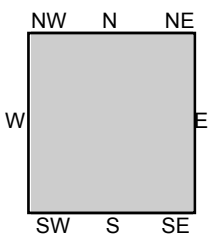
TP, Ferrelview, 1950, 7.5-minute
 N, Camden Point, 1951, 7.5-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





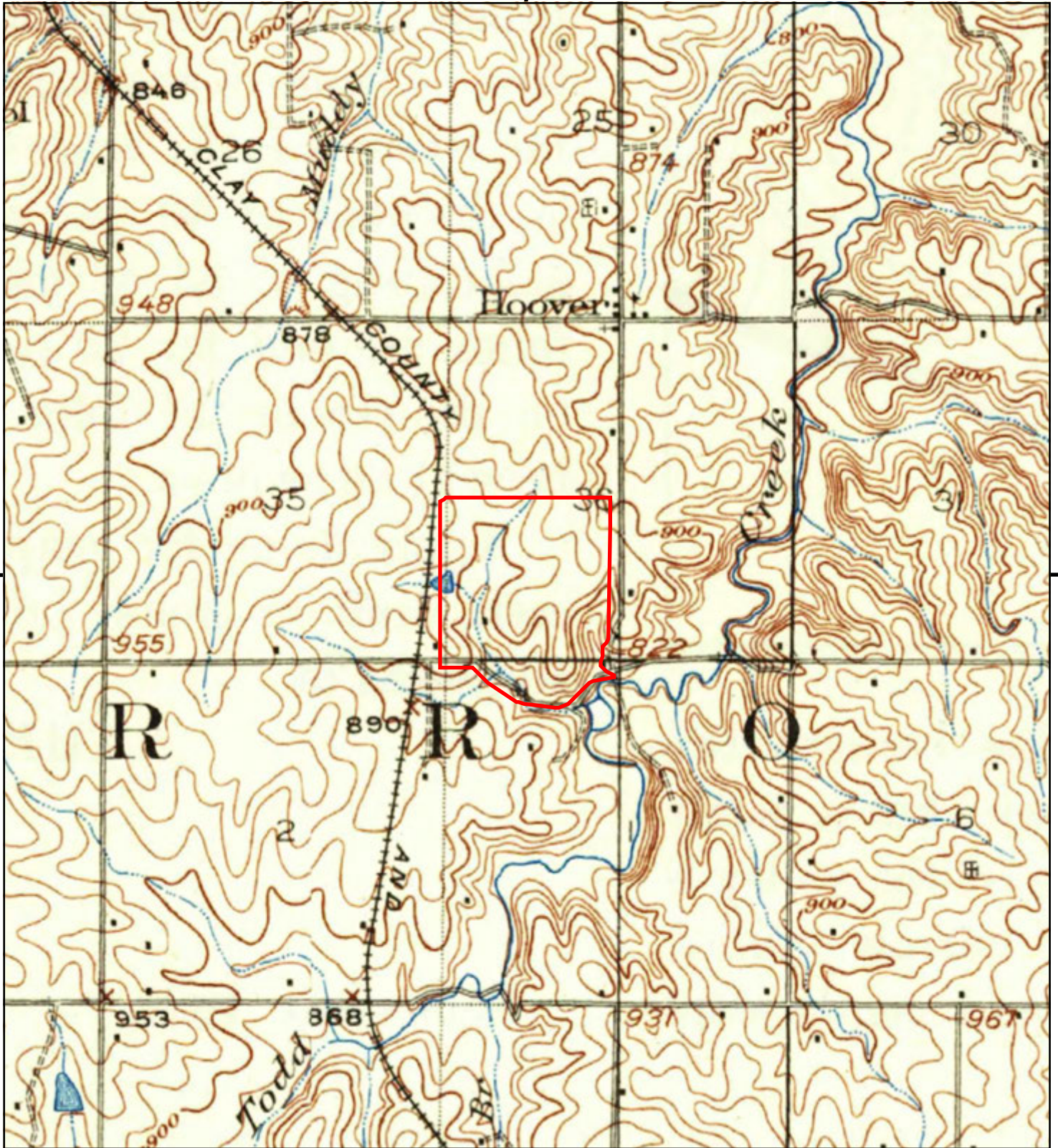
This report includes information from the following map sheet(s).



TP, SMITHVILLE, 1948, 15-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





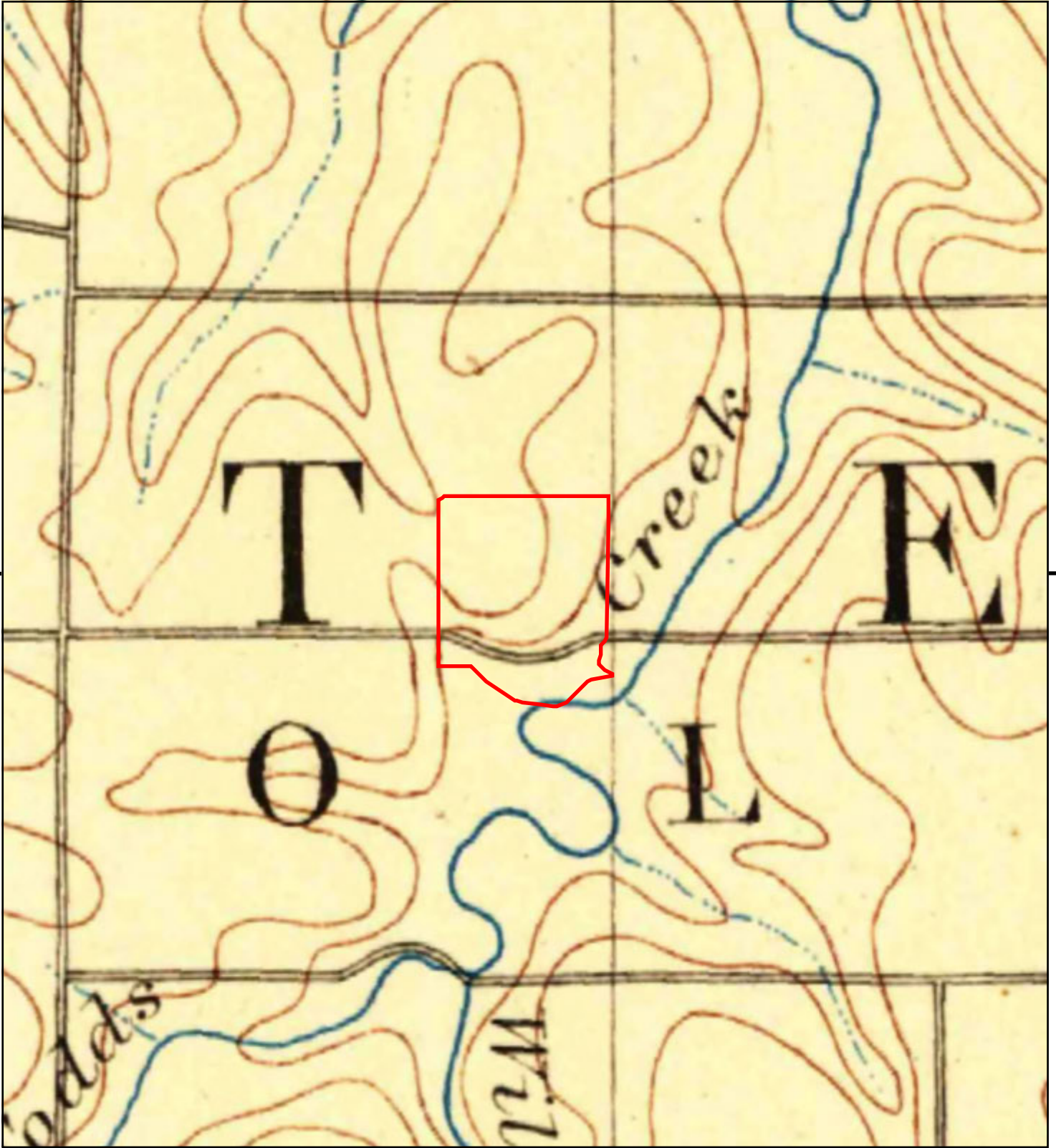
This report includes information from the following map sheet(s).



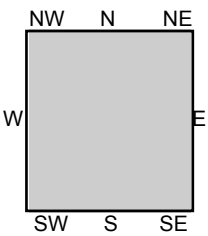
TP, Smithville, 1914, 15-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





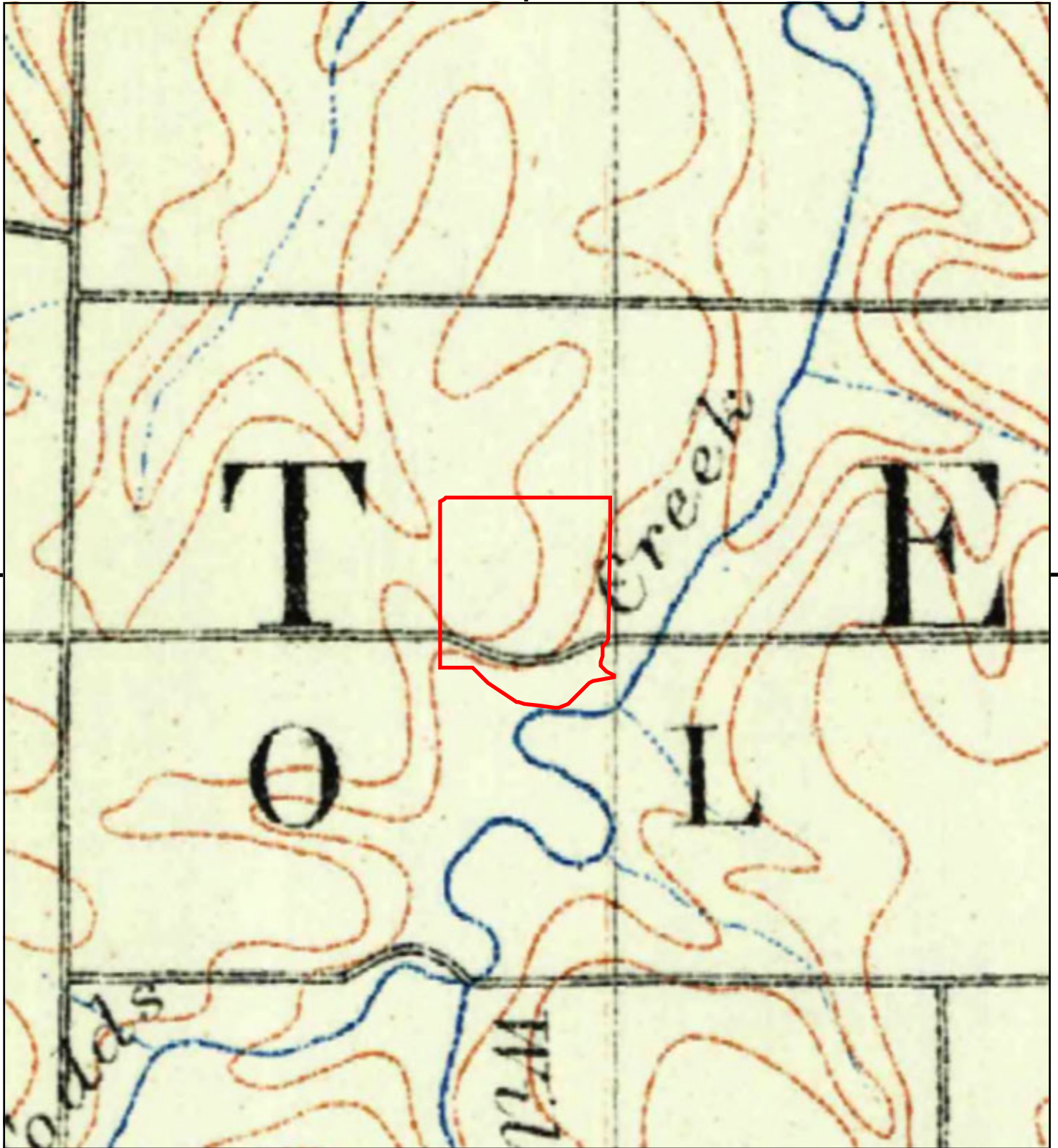
This report includes information from the following map sheet(s).



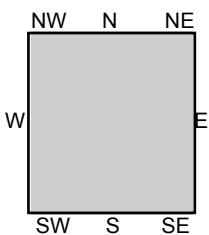
TP, Kansas City, 1894, 30-minute

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City, MO 64079
 CLIENT: Olsson





This report includes information from the following map sheet(s).



TP, Kansas City, 1890, 30-minute

SITE NAME: KC Water - Todd Creek
ADDRESS: NW 144 Street/Todd Creek Rd
Platte City, MO 64079
CLIENT: Olsson



KC Water - Todd Creek
NW 144 Street/Todd Creek Rd
Platte City, MO 64079

Inquiry Number: 6916277.3

March 28, 2022

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

03/28/22

Site Name:

KC Water - Todd Creek
NW 144 Street/Todd Creek Rd
Platte City, MO 64079
EDR Inquiry # 6916277.3

Client Name:

Olsson
7301 West 133rd Street
Overland Park, KS 66213
Contact: Rachael Reis



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Olsson 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 # 2876-4F33-8206

PO # 022-01948

Project KC Water - Todd Creek

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 2876-4F33-8206

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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KC Water - Todd Creek

NW 144 Street/Todd Creek Rd
Platte City, MO 64079

Inquiry Number: 6916277.5

March 30, 2022

The EDR-City Directory Image Report

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Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

NW 144 Street/Todd Creek Rd
Platte City, MO 64079

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>NW 144TH ST</u>			
2017	-	EDR Digital Archive	Target and Adjoining not listed in Source
2014	pg A2	EDR Digital Archive	
2010	pg A4	EDR Digital Archive	
2005	pg A6	EDR Digital Archive	
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source

TODD CREEK RD

2017	pg A1	EDR Digital Archive	
2014	pg A3	EDR Digital Archive	
2010	pg A5	EDR Digital Archive	
2005	pg A7	EDR Digital Archive	
2000	pg A8	EDR Digital Archive	
1995	pg A9	EDR Digital Archive	
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

TODD CREEK RD 2017

14405 BOLLER, LOUIS J
14415 SNYDER, EMIL D
14425 BOLLER, RAE M
14725 BATTEN, MIKE A
14920 LAPLANT, DENNIS F
15000 PRIBORSKY, MARK
15005 HARRIS, BENNY L
15010 CLIFTON, DAVID R



-

NW 144TH ST

2014

7610 OCCUPANT UNKNOWN,

TODD CREEK RD 2014

14405 BOLLER, LOUIS
14415 SNYDER, EMIL D
14425 BOLLER, RAE M
14615 HOULAHAN, DAN E
14635 KATZENBERGER, BENJAMIN
14725 BATTEN, MIKE A
14920 LAPLANT, DENNIS F
14960 MCDOWELL, LINDA K
15000 SHILTS, SAMUEL R
15005 NAYLOR, DOROTHY E
15010 CLIFTON, DAVID R
15040 OCCUPANT UNKNOWN,
15080 MCDANIEL, JOE H

NW 144TH ST 2010

7600 OCCUPANT UNKNOWN,
7610 OCCUPANT UNKNOWN,

TODD CREEK RD 2010

14405 BOLLER, DONALD J
14415 SNYDER, EMIL D
14425 BOLLER, RAE M
14615 HOULAHAN, DAN E
14635 BOOLIN, LESLIE A
14725 BATTEN, MIKE A
14920 LAPLANT, DENNIS F
14960 JACOBY, HANK L
15000 SHILTS, SAMUEL R
15005 HARRIS, BENNY L
15010 CLIFTON, DAVID R
15040 OCCUPANT UNKNOWN,



-

NW 144TH ST 2005

7600 SMITH, WALLACE L
7610 GANN, GERALD N

TODD CREEK RD 2005

14405 BOLLER, DONALD J
14415 SNYDER, EMIL D
14425 BOLLER, BILL D
14615 HOULAHAN ENTERPRISES
HOULAHAN, DAN E
14635 BOOLIN, LESLIE A
14725 BATTEN, MIKE A
14920 LAPLANT, DENNIS F
14960 MCDOWELL, DARREL L
15000 WILKERSON, DALE R
15005 OCCUPANT UNKNOWN,
15010 OCCUPANT UNKNOWN,
15040 CLIFTON, DAVID R
15080 CAMERON, ROXANNE D

TODD CREEK RD 2000

14405 BOLLER, DONALD J
14415 SNYDER, EMIL D
14635 MINOR, WILLIAM W
14920 LAPLANT, D F
14960 MCDOWELL, DARREL
15000 WILKERSON, DALE R
15010 CLIFTON, DAVID R
15040 CLIFTON, D M
15080 CAMERON, STEVEN W

TODD CREEK RD 1995

14920 LAPLANT, DENNIS
14960 MCDOWELL, DARREL
15005 HARRIS, BENNY
15010 CLIFTON, DAVID R JR
15040 CLIFTON, D M

APPENDIX D

Environmental Database Report

KC Water - Todd Creek

NW 144 Street/Todd Creek Rd
Platte City, MO 64079

Inquiry Number: 6916277.2s
March 28, 2022

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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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 (E1527-21), 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

NW 144 STREET/TODD CREEK RD
PLATTE CITY, MO 64079

COORDINATES

Latitude (North): 39.3582410 - 39° 21' 29.66"
Longitude (West): 94.6718450 - 94° 40' 18.64"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 355957.1
UTM Y (Meters): 4357656.5
Elevation: 916 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 10312117 FERRELVIEW, MO
Version Date: 2017

North Map: 10312101 CAMDEN POINT, MO
Version Date: 2017

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140904, 20140724
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 NW 144 STREET/TODD CREEK RD
 PLATTE CITY, MO 64079

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.)
A1	MILLER QUARRY		MINES	Lower	1 ft.
A2	MILLER MILL		MINES	Higher	1 ft.
3	SUPERIOR BOWEN ASPHA	14457 NW INTERURBAN	FINDS, ECHO	Lower	1 ft.
B4	FERRELVIEW QUARRY		MINES MRDS	Lower	1 ft.
B5	FERRELVIEW QUARRY		MINES	Lower	1 ft.

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

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

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Permitted Facility List

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Facilities
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

EXECUTIVE SUMMARY

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
CDL..... Environmental Emergency Response System
DEL SHWS..... Registry Sites Withdrawn or Deleted
US CDL..... National Clandestine Laboratory Register
PFAS..... PFAS Detections

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Environmental Response Tracking Database
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
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
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines

EXECUTIVE SUMMARY

UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permit Facility Listing
ASBESTOS.....	Asbestos Notification Listing
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaners in Missouri Listing
Financial Assurance.....	Financial Assurance Information Listing
NPDES.....	Permitted Facility Listing
MO RRC.....	Certified Hazardous Waste Resource Recovery Facilities
SMARS.....	Site Management and Reporting System
UIC.....	Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to

EXECUTIVE SUMMARY

manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 11/04/2021 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUPERIOR BOWEN ASPHA Registry ID:: 110021362862 Registry ID:: 110017985359	14457 NW INTERURBAN	0 - 1/8 (0.000 mi.)	3	11

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

A review of the ECHO list, as provided by EDR, and dated 01/01/2022 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUPERIOR BOWEN ASPHA Registry ID: 110017985359	14457 NW INTERURBAN	0 - 1/8 (0.000 mi.)	3	11

MINES: 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.

A review of the MINES list, as provided by EDR, and dated 04/30/2021 has revealed that there are 3 MINES sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MILLER MILL		0 - 1/8 (0.000 mi.)	A2	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MILLER QUARRY		0 - 1/8 (0.000 mi.)	A1	8
FERRELVIEW QUARRY		0 - 1/8 (0.000 mi.)	B5	13

MINES MRDS: Mineral Resources Data System

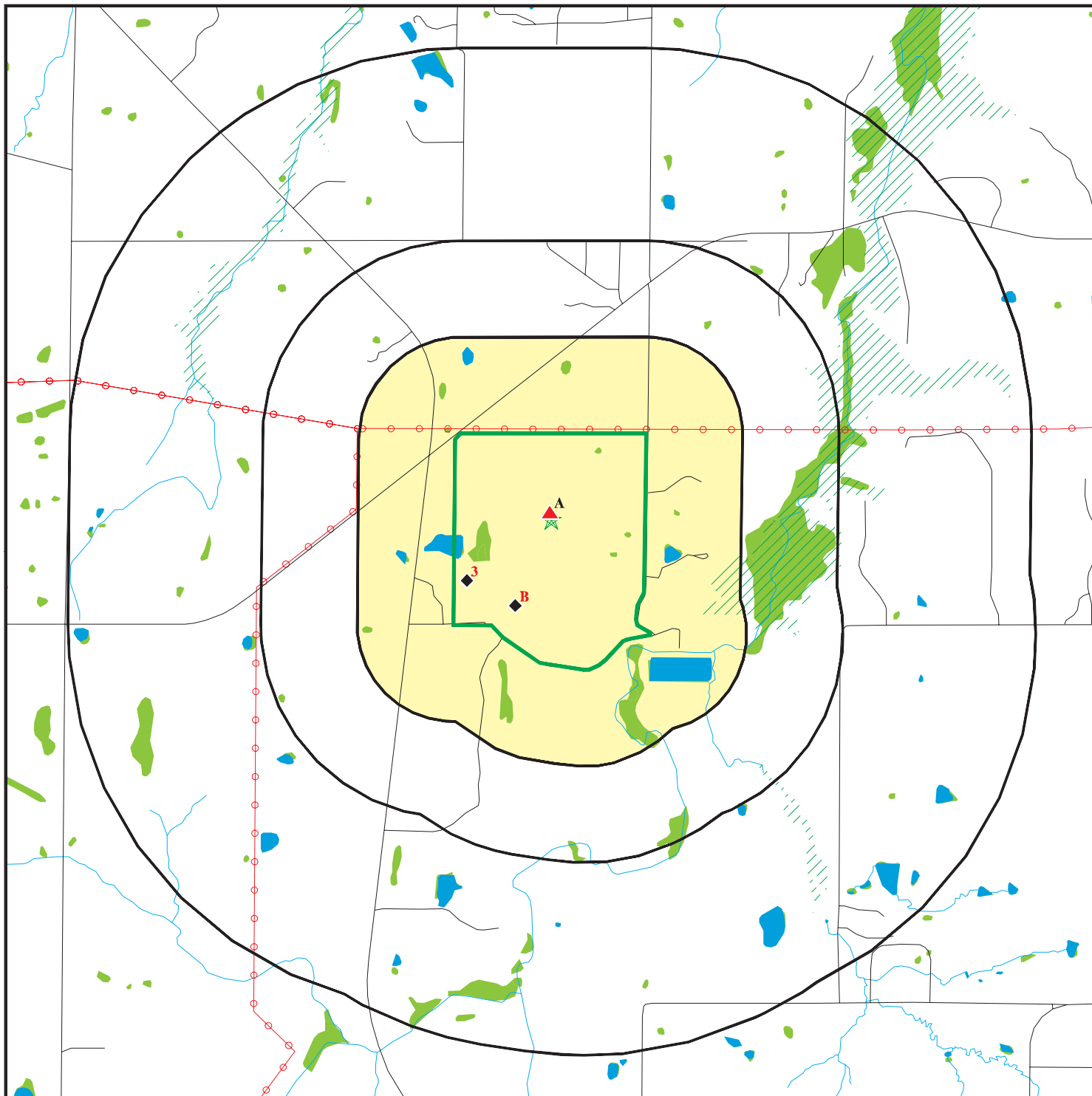
A review of the MINES MRDS list, as provided by EDR, and dated 04/06/2018 has revealed that there is 1 MINES MRDS site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FERRELVIEW QUARRY		0 - 1/8 (0.000 mi.)	B4	12

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6916277.2S



Target Property

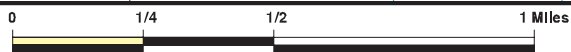
Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

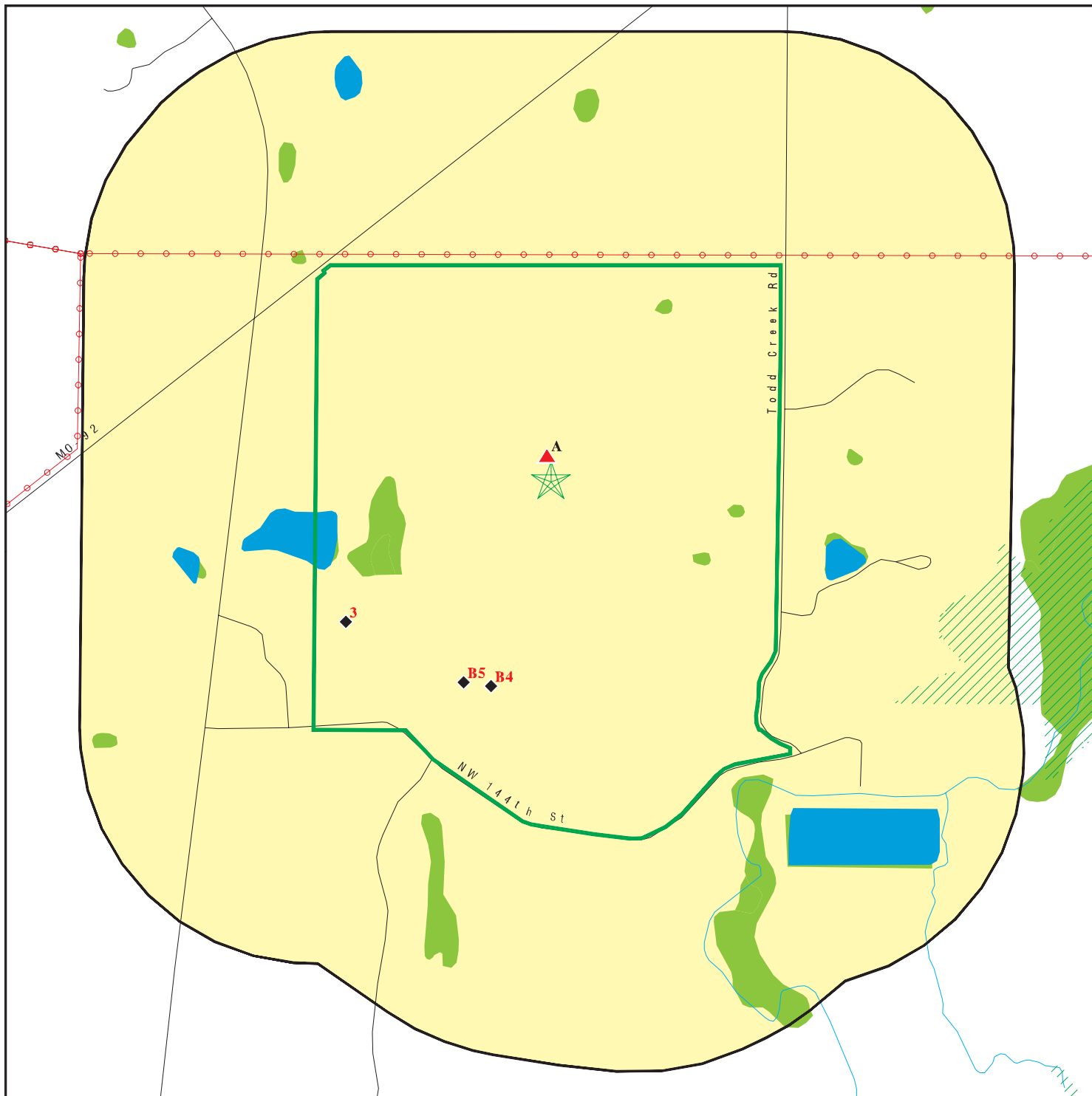









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City MO 64079
 LAT/LONG: 39.358241 / 94.671845

CLIENT: Olsson
 CONTACT: Rachael Reis
 INQUIRY #: 6916277.2s
 DATE: March 28, 2022 1:02 pm

DETAIL MAP - 6916277.2S



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

-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  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: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City MO 64079
 LAT/LONG: 39.358241 / 94.671845

CLIENT: Olsson
 CONTACT: Rachael Reis
 INQUIRY #: 6916277.2s
 DATE: March 28, 2022 1:04 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LAST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
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
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	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
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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	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	0.001		1	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		1	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
MINES	0.250		3	0	NR	NR	NR	3
NPDES	0.001		0	NR	NR	NR	NR	0
MO RRC	0.001		0	NR	NR	NR	NR	0
SMARS	0.500		0	0	0	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		1	NR	NR	NR	NR	1

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	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
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	6	0	0	0	0	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MILLER QUARRY (Continued)

S122471976

Permittee Name: Not reported
 Operator or Corporate Headquarters Address: Not reported
 Operator or Corporate Headquarters Address2: Not reported
 Operator or Corporate Headquarters City: Not reported
 Operator or Corporate Headquarters State: Not reported
 Operator or Corporate Headquarters Zip: Not reported
 Permit Type: Not reported
 Stream Name: Not reported
 Outstanding National Resource Watershed (ONRW): Not reported
 Outstanding State Resource Watershed (OSRW): Not reported
 FID: Not reported
 GIS Loc ID: Not reported
 FEAT Type: Not reported
 Org Name: Not reported
 Org Phone: Not reported
 Org Address: Not reported
 Org Address2: Not reported
 Org City: Not reported
 Org Stat: Not reported
 Org Zip: Not reported
 Contact: Not reported
 Contact Phone: Not reported
 Contact Email: Not reported
 Old Permit No: Not reported
 Site Type: Not reported
 Expire: Not reported
 Inspection: Not reported
 Oper End: Not reported
 Outstanding Resource Watershed (ORW): Not reported
 Desc Date: Not reported
 point type: Not reported
 horizontal accuracy : Not reported
 Estimate Position Error (EPE): Not reported
 Positional Dilution of Precision (PDOP): Not reported
 horizontal collect code: Not reported
 REFPT Code: Not reported
 Source Scale: Not reported
 Source Code: Not reported
 Date Collect: Not reported
 Created By: Not reported
 Date Create: Not reported
 Updated By: Not reported
 Date Update: Not reported
 Object ID: Not reported
 Latitude: Not reported
 Longitude: Not reported

A2

MILLER MILL

MINES S122472099

**< 1/8
 1 ft.**

KANSAS CITY, MO

N/A

Site 2 of 2 in cluster A

**Relative:
 Higher**

MINES:

Site ID: 1650129

**Actual:
 916 ft.**

Name: MILLER MILL

Address: Not reported

City,State,Zip: KANSAS CITY, MO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MILLER MILL (Continued)

S122472099

Elevation Meters:	260
Elevation Feet:	853
Quadrangle:	Ferrelview
FIPS Code:	165
Township:	53N
Range:	34W
Section:	36
Quarter:	Not reported
Projected:	Not reported
Land Grant:	Not reported
Type of Operation:	Plant
Surface:	Not reported
Underground:	Not reported
Smelter:	Not reported
Mine Tailings:	Not reported
Mine Waste Rock:	Not reported
Processing Plant:	y
Status:	Producer
Mine Safety and Health Administration:	2300533
Commodities:	Limestone cb
Property Owner:	MIDWEST PRECOTE CO
Operator:	MIDWEST PRECOTE CO
Acres:	Not reported
Depth:	Not reported
Reference Table:	Not reported
Aerial Photos:	Not reported
Mine Extends Into Different Section:	Not reported
Formations:	Not reported
Operation Opened:	Not reported
Operation Closed:	Not reported
Operation Reopened:	Not reported
Operation Reclosed:	Not reported
Tonnage of Ore:	Not reported
Source Info:	Not reported
Timeframe:	Not reported
Areal Data:	Not reported
Comments:	Not reported
Shaft Name:	Not reported
Different:	Not reported
Dimensions:	Not reported
MILS Compilation:	Not reported
Location:	Not reported
UTM Coordinates:	MILS sheet
UTM Easting NAD27:	355972
UTM Northing NAD27:	4357697
UTM Easting NAD83:	355955
UTM Northing NAD83:	4357906
Permit No:	Not reported
Permitee Name:	Not reported
Operator or Corporate Headquarters Address:	Not reported
Operator or Corporate Headquarters Address:	Not reported
Operator or Corporate Headquarters City:	Not reported
Operator or Corporate Headquarters State:	Not reported
Operator or Corporate Headquarters Zip:	Not reported
Permit Type:	Not reported
Stream Name:	Not reported
Outstanding National Resource Watershed:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MILLER MILL (Continued)

S122472099

Outstanding State Resource Watershed (OSRW): Not reported
 FID: Not reported
 GIS Loc ID: Not reported
 FEAT Type: Not reported
 Org Name: Not reported
 Org Phone: Not reported
 Org Address: Not reported
 Org Address2: Not reported
 Org City: Not reported
 Org Stat: Not reported
 Org Zip: Not reported
 Contact: Not reported
 Contact Phone: Not reported
 Contact Email: Not reported
 Old Permit No: Not reported
 Site Type: Not reported
 Expire: Not reported
 Inspection: Not reported
 Oper End: Not reported
 Outstanding Resource Watershed (ORW): Not reported
 Desc Date: Not reported
 point type: Not reported
 horizontal accuracy : Not reported
 Estimate Position Error (EPE): Not reported
 Positional Dilution of Precision (PDOP): Not reported
 horizontal collect code: Not reported
 REFPT Code: Not reported
 Source Scale: Not reported
 Source Code: Not reported
 Date Collect: Not reported
 Created By: Not reported
 Date Create: Not reported
 Updated By: Not reported
 Date Update: Not reported
 Object ID: Not reported
 Latitude: Not reported
 Longitude: Not reported

3

SUPERIOR BOWEN ASPHALT CO LLC-144TH (PLANT 2)
14457 NW INTERURBAN ROAD
KANSAS CITY, MO 64163

FINDS 1008248531
ECHO N/A

< 1/8
 1 ft.

**Relative:
 Lower**

**Actual:
 902 ft.**

FINDS:
 Registry ID: 110017985359

Click Here:

Environmental Interest/Information System:

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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SUPERIOR BOWEN ASPHALT CO LLC-144TH (PLANT 2) (Continued)

1008248531

redesign to support facility operating permits required under Title V of the Clean Air Act.
 The MO-DNR (Missouri Department of Natural Resources) program involves a Resource Assessment and Monitoring Program, biological criteria development, monitoring of targeted sites to determine compliance with the designated use of aquatic life protection in the standards, monitoring for 303(3) purposes, and the development of a stream classification framework.
 US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
 AIR MINOR

Registry ID: 110021362862

Click Here:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN
 The MO-DNR (Missouri Department of Natural Resources) program involves a Resource Assessment and Monitoring Program, biological criteria development, monitoring of targeted sites to determine compliance with the designated use of aquatic life protection in the standards, monitoring for 303(3) purposes, and the development of a stream classification framework.

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

ECHO:

Envid: 1008248531
 Registry ID: 110017985359
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110017985359>
 Name: SUPERIOR BOWEN CONSTRUCTION COMPANY
 Address: 14457 NW INTERURBAN ROAD
 City,State,Zip: KANSAS CITY, MO 64163

B4

FERRELVIEW QUARRY

MINES MRDS

1025630773

< 1/8
 1 ft.

PLATTE CITY, MO 64079

N/A

Site 1 of 2 in cluster B

**Relative:
 Lower**

MINES MRDS:

**Actual:
 891 ft.**

Name: FERRELVIEW QUARRY
 Address: Not reported
 Deposit identification Number: 10147913
 City,State,Zip: PLATTE CITY, MISSOURI 64079
 URL: https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10147913
 MRDS Identification Number: Not reported
 MAS/MILS Identification Number: 0291650022
 Region: NA
 Country: United States
 Primary Commodities: Stone, Crushed/Broken
 Secondary Commodities: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FERRELVIEW QUARRY (Continued)

1025630773

Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Intermountain Field Operations Center (IFOC)
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	39.35503
Longitude:	-94.67304

B5

FERRELVIEW QUARRY

**MINES S122471992
 N/A**

**< 1/8
 1 ft.**

KANSAS CITY, MO

Site 2 of 2 in cluster B

**Relative:
 Lower
 Actual:
 889 ft.**

MINES:	
Site ID:	1650022
Name:	FERRELVIEW QUARRY
Address:	Not reported
City,State,Zip:	KANSAS CITY, MO
Elevation Meters:	Not reported
Elevation Feet:	830
Quadrangle:	Ferrelview
FIPS Code:	165
Township:	53N
Range:	34W
Section:	36
Quarter:	SESW
Projected:	Not reported
Land Grant:	Not reported
Type of Operation:	Surface
Surface:	y
Underground:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FERRELVUE QUARRY (Continued)

S122471992

Smelter:	Not reported
Mine Tailings:	Not reported
Mine Waste Rock:	Not reported
Processing Plant:	Not reported
Status:	Past Producer
Mine Safety and Health Administration:	Not reported
Commodities:	Limestone cb
Property Owner:	Not reported
Operator:	MIDWEST PRECOTE CO
Acres:	15
Depth:	Not reported
Reference Table:	y
Aerial Photos:	y
Mine Extends Into Different Section:	y
Formations:	Not reported
Operation Opened:	Not reported
Operation Closed:	Not reported
Operation Reopened:	Not reported
Operation Reclosed:	Not reported
Tonnage of Ore:	Not reported
Source Info:	Not reported
Timeframe:	Not reported
Areal Data:	Not reported
Comments:	Not reported
Shaft Name:	Not reported
Different:	Not reported
Dimensions:	Not reported
MILS Compilation:	Not reported
Location:	Not reported
UTM Coordinates:	symbol on topo
UTM Easting NAD27:	355821
UTM Northing NAD27:	4357309
UTM Easting NAD83:	355804
UTM Northing NAD83:	4357518
Permit No:	Not reported
Permitee Name:	Not reported
Operator or Corporate Headquarters Address:	Not reported
Operator or Corporate Headquarters Address2:	Not reported
Operator or Corporate Headquarters City:	Not reported
Operator or Corporate Headquarters State:	Not reported
Operator or Corporate Headquarters Zip:	Not reported
Permit Type:	Not reported
Stream Name:	Not reported
Outstanding National Resource Watershed (ONRW):	Not reported
Outstanding State Resource Watershed (OSRW):	Not reported
FID:	Not reported
GIS Loc ID:	Not reported
FEAT Type:	Not reported
Org Name:	Not reported
Org Phone:	Not reported
Org Address:	Not reported
Org Address2:	Not reported
Org City:	Not reported
Org Stat:	Not reported
Org Zip:	Not reported
Contact:	Not reported
Contact Phone:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FERRELVIEW QUARRY (Continued)

S122471992

Contact Email:	Not reported
Old Permit No:	Not reported
Site Type:	Not reported
Expire:	Not reported
Inspection:	Not reported
Oper End:	Not reported
Outstanding Resource Watershed (ORW):	Not reported
Desc Date:	Not reported
point type:	Not reported
horizontal accuracy :	Not reported
Estimate Position Error (EPE):	Not reported
Positional Dilution of Precision (PDOP):	Not reported
horizontal collect code:	Not reported
REFPT Code:	Not reported
Source Scale:	Not reported
Source Code:	Not reported
Date Collect:	Not reported
Created By:	Not reported
Date Create:	Not reported
Updated By:	Not reported
Date Update:	Not reported
Object ID:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
NO SITES FOUND					

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

Lists of Federal NPL (Superfund) sites

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: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: N/A
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/11/2022
	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: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: N/A
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/11/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Lists of Federal Delisted NPL sites

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: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
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 known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: 800-424-9346
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/28/2022	Source: EPA
Date Data Arrived at EDR: 03/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/17/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/04/2022
	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: 11/15/2021	Source: Department of the Navy
Date Data Arrived at EDR: 11/16/2021	Telephone: 843-820-7326
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/23/2022
	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: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 02/23/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 06/06/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 02/23/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 06/06/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/01/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 9

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/22/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

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: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 573-751-1990
Last EDR Contact: 03/07/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includes 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: 06/30/2020
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/18/2021
Number of Days to Update: 82

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 02/22/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

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: 07/27/2021
Date Data Arrived at EDR: 11/10/2021
Date Made Active in Reports: 02/16/2022
Number of Days to Update: 98

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

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: 11/29/2021
Date Data Arrived at EDR: 12/08/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 78

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 03/09/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

Date of Government Version: 11/29/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 12/08/2021	Telephone: 573-751-6822
Date Made Active in Reports: 02/24/2022	Last EDR Contact: 03/09/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-6597
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

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: 10/12/2021	Source: EPA, Region 5
Date Data Arrived at EDR: 11/15/2021	Telephone: 312-886-7439
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	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: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	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: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	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: 10/12/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3372
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6271
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	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: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-8677
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Varies

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: 11/29/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 12/08/2021	Telephone: 573-751-0135
Date Made Active in Reports: 02/24/2022	Last EDR Contact: 03/09/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

Date of Government Version: 09/02/2021	Source: Department of Agriculture
Date Data Arrived at EDR: 09/07/2021	Telephone: 573-751-7062
Date Made Active in Reports: 09/14/2021	Last EDR Contact: 02/17/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/13/2022
	Data Release Frequency: Semi-Annually

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: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-7591
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/06/2021	Source: EPA Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-6136
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 02/09/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021	Source: EPA Region 9
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3368
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2021	Source: EPA, Region 1
Date Data Arrived at EDR: 11/15/2021	Telephone: 617-918-1313
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	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: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	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: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-9424
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6137
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 11/01/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/10/2021	Telephone: 573-751-3176
Date Made Active in Reports: 01/31/2022	Last EDR Contact: 02/08/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/16/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Varies

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 11/01/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/10/2021	Telephone: 573-526-8913
Date Made Active in Reports: 01/31/2022	Last EDR Contact: 02/08/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

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: 11/01/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/10/2021	Telephone: 573-526-8913
Date Made Active in Reports: 01/31/2022	Last EDR Contact: 02/08/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2022	Telephone: 202-566-2777
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 03/15/2022
Number of Days to Update: 0	Next Scheduled EDR Contact: 06/27/2022
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2006	Telephone: 573-751-5401
Date Made Active in Reports: 08/18/2006	Last EDR Contact: 01/12/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: No Update Planned

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 05/18/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/18/2021	Telephone: 573-526-3944
Date Made Active in Reports: 08/04/2021	Last EDR Contact: 02/18/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/06/2022
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/24/2022
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/09/2022
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/13/2022
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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 Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
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: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

CDL: Environmental Emergency Response System

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

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

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: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/15/2020
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 03/07/2022
Next Scheduled EDR Contact: 06/20/2022
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: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Detections PFAS detection list

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/16/2021
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 517-751-9857
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

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: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/11/2022
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: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

SPILLS: Environmental Response Tracking Database

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

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 09/01/2021
Number of Days to Update: 86

Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
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: 10/26/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
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: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
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: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/01/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/03/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/16/2022
	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	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 03/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/27/2022
	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: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 02/18/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/30/2022
	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: 10/18/2021	Source: EPA
Date Data Arrived at EDR: 10/20/2021	Telephone: 202-564-4203
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 01/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: 703-416-0223
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 19	Next Scheduled EDR Contact: 06/13/2022
	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: 10/20/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-8600
Date Made Active in Reports: 11/12/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022	Source: EPA
Date Data Arrived at EDR: 02/03/2022	Telephone: 202-564-6023
Date Made Active in Reports: 02/25/2022	Last EDR Contact: 03/02/2022
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/16/2022
	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: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 01/07/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/29/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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: 07/29/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/24/2021	Telephone: 301-415-7169
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/02/2022
	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: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 02/28/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 06/13/2022
	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: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 02/28/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 06/13/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/04/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/27/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020	Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 01/24/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/08/2022
	Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
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: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 02/24/2022
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/06/2022
	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: 12/14/2021	Source: Department of Interior
Date Data Arrived at EDR: 12/15/2021	Telephone: 202-208-2609
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 03/04/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/04/2021	Source: EPA
Date Data Arrived at EDR: 11/22/2021	Telephone: (913) 551-7003
Date Made Active in Reports: 02/25/2022	Last EDR Contact: 02/28/2022
Number of Days to Update: 95	Next Scheduled EDR Contact: 06/13/2022
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/01/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/04/2022	Telephone: 202-564-2280
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 01/04/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020	Source: Department of Defense
Date Data Arrived at EDR: 01/11/2022	Telephone: 703-704-1564
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 01/11/2022
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/22/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/24/2022
Number of Days to Update: 87

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

The department requires notification of demolitions and abatement projects involving regulated structures at least 10 working days before crews begin a project.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 01/05/2022
Date Made Active in Reports: 03/22/2022
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 01/05/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: 573-526-1825
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: No Update Planned

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: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 01/11/2022
Date Data Arrived at EDR: 01/13/2022
Date Made Active in Reports: 03/23/2022
Number of Days to Update: 69

Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/30/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/01/2021	Telephone: 573-751-5401
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 03/03/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/13/2022
	Data Release Frequency: Quarterly

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: 04/30/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/14/2021	Telephone: 573-751-4041
Date Made Active in Reports: 10/07/2021	Last EDR Contact: 01/14/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 04/08/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/09/2021	Telephone: 573-751-7023
Date Made Active in Reports: 06/28/2021	Last EDR Contact: 03/23/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 07/11/2022
	Data Release Frequency: Quarterly

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: 09/30/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 10/06/2020	Telephone: 573-751-3176
Date Made Active in Reports: 12/28/2020	Last EDR Contact: 03/07/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Annually

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: 10/05/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 10/29/2021	Telephone: 573-751-3043
Date Made Active in Reports: 01/18/2022	Last EDR Contact: 01/26/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 05/09/2022
	Data Release Frequency: Quarterly

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: 03/15/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/17/2021	Telephone: 573-368-2183
Date Made Active in Reports: 06/02/2021	Last EDR Contact: 02/15/2022
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/11/2021	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/12/2021	Telephone: 860-424-3375
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 02/11/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 01/28/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/09/2022
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 01/10/2022
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 11/30/2021	Telephone: 401-222-2797
Date Made Active in Reports: 02/18/2022	Last EDR Contact: 02/14/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/19/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 03/02/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/20/2022
	Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media
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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media
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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KC WATER - TODD CREEK
NW 144 STREET/TODD CREEK RD
PLATTE CITY, MO 64079

TARGET PROPERTY COORDINATES

Latitude (North):	39.358241 - 39° 21' 29.67"
Longitude (West):	94.671845 - 94° 40' 18.64"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	355957.1
UTM Y (Meters):	4357656.5
Elevation:	916 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	10312117 FERRELVUE, MO
Version Date:	2017
North Map:	10312101 CAMDEN POINT, MO
Version Date:	2017

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

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).

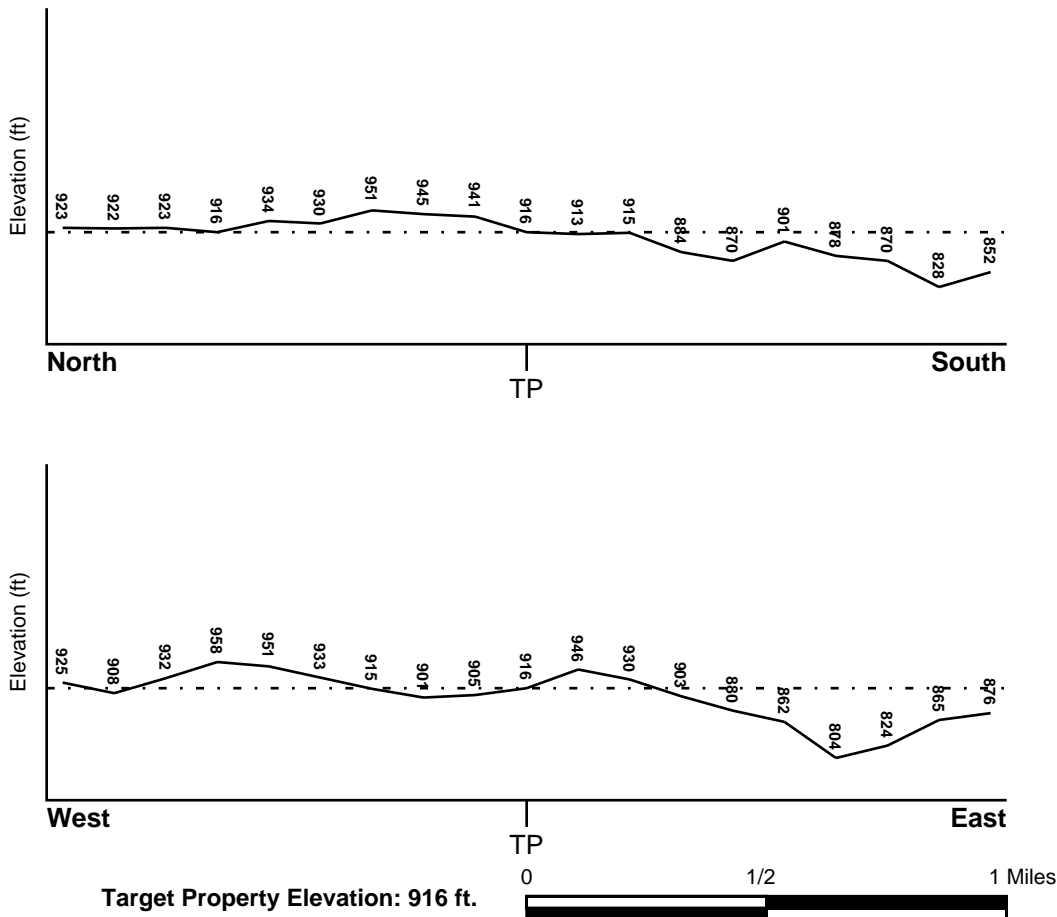
TOPOGRAPHIC INFORMATION

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 SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
29165C0310D	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
29165C0305D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
FERRELVIEW	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.

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

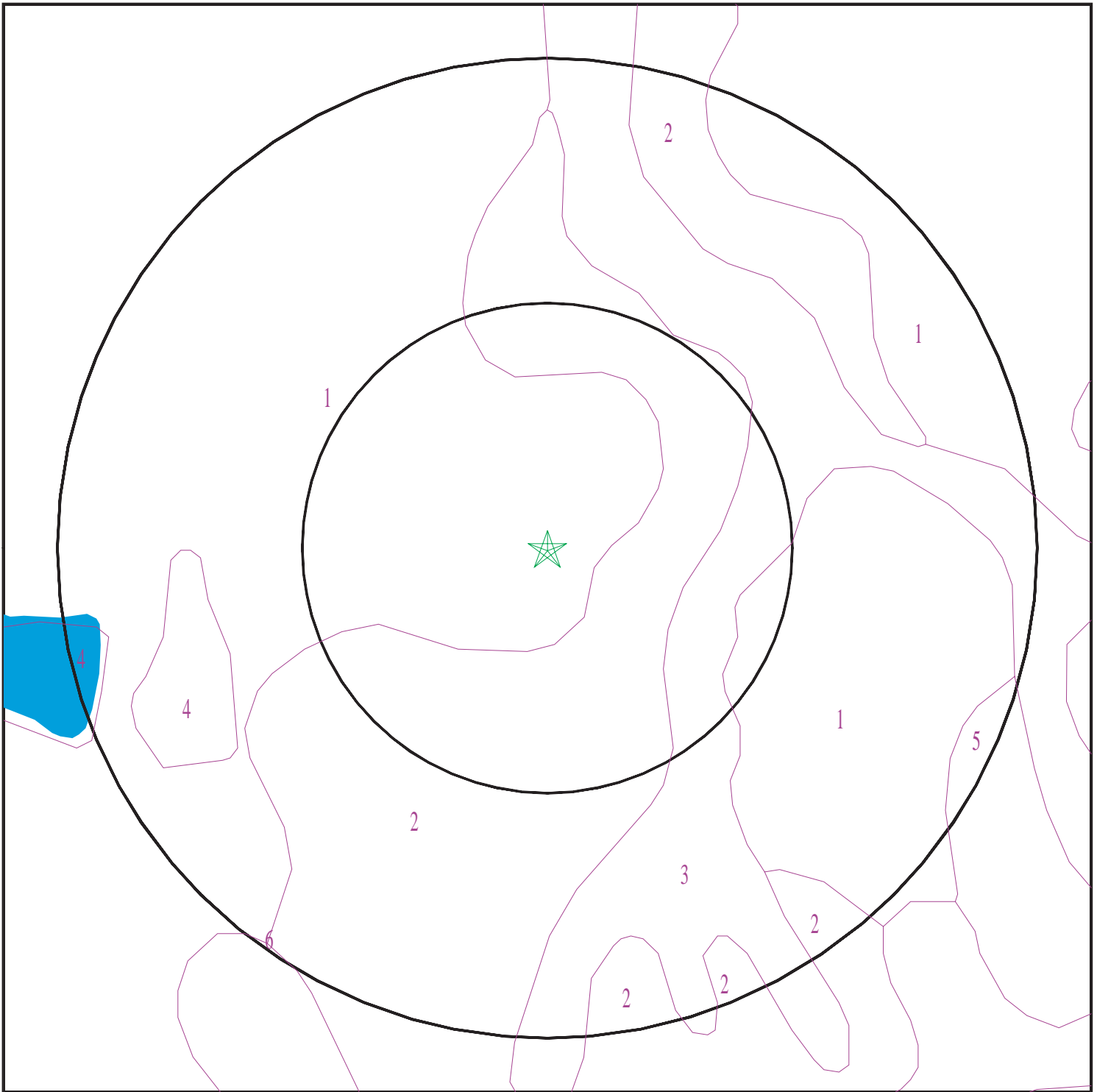
Era:	Paleozoic
System:	Pennsylvanian
Series:	Missourian Series
Code:	PP3 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

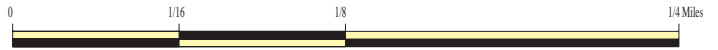
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6916277.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: KC Water - Todd Creek
ADDRESS: NW 144 Street/Todd Creek Rd
Platte City MO 64079
LAT/LONG: 39.358241 / 94.671845

CLIENT: Olsson
CONTACT: Rachael Reis
INQUIRY #: 6916277.2s
DATE: March 28, 2022 1:04 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Higginsville

Soil Surface Texture: silt loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	7 inches	12 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	12 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
4	42 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Sharpsburg

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
2	7 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	25 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	42 inches	53 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	53 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Sharpsburg

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
2	12 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	25 inches	55 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	55 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Water

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:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Sharpsburg

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	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: 6.5 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	25 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	42 inches	53 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	53 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 6

Soil Component Name: Snead

Soil Surface Texture: flaggy silty clay loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 76 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	flaggy silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
2	11 inches	18 inches	flaggy silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
3	18 inches	25 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
4	25 inches	59 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

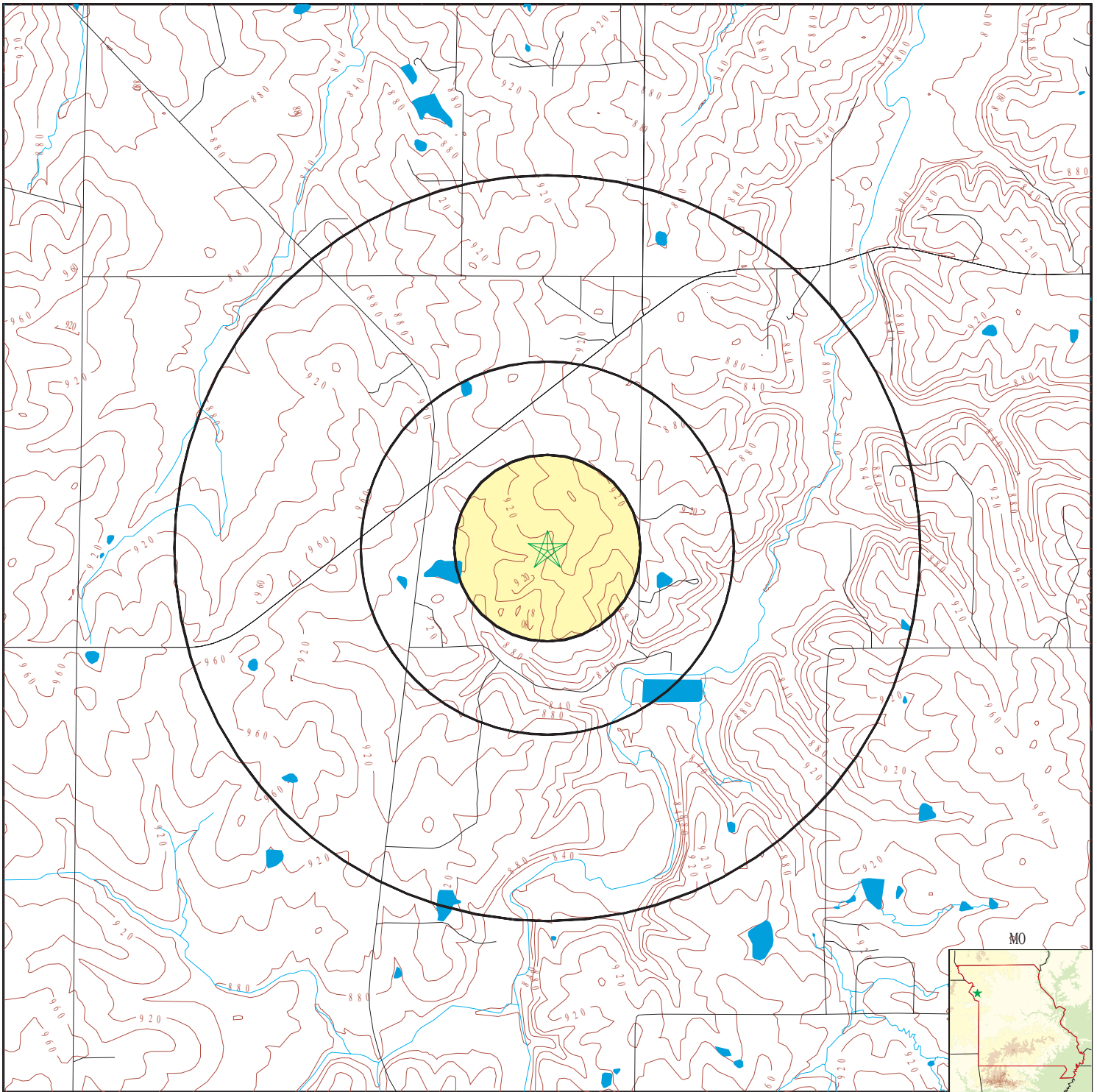
MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

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

PHYSICAL SETTING SOURCE MAP - 6916277.2s



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

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

SITE NAME: KC Water - Todd Creek
 ADDRESS: NW 144 Street/Todd Creek Rd
 Platte City MO 64079
 LAT/LONG: 39.358241 / 94.671845

CLIENT: Olsson
 CONTACT: Rachael Reis
 INQUIRY #: 6916277.2s
 DATE: March 28, 2022 1:04 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
64079	01/17/09	5.6
64079	01/23/09	4.2
64079	01/24/09	17.8
64079	01/25/08	1.9
64079	01/29/09	11.1
64079	02/02/09	????
64079	02/05/09	2.3
64079	02/09/09	3.1
64079	02/11/08	7.1
64079	03/23/09	2.9
64079	03/26/09	< 0.3
64079	03/28/07	1.8
64079	04/09/08	5.4
64079	04/10/08	1.5
64079	04/11/07	18.6
64079	04/12/08	2.3
64079	04/25/08	5.7
64079	04/29/08	0.9
64079	02/23/07	15.6
64079	02/23/09	5.9
64079	02/26/09	5.4
64079	02/28/09	3
64079	03/06/08	2.3
64079	03/09/09	1.5
64079	03/17/08	20.9
64079	03/19/09	7
64079	03/21/07	2.2
64079	05/27/08	9.4
64079	06/05/08	9.8
64079	06/05/08	11.3
64079	06/07/08	0.6
64079	06/09/07	2.9
64079	06/13/08	2.2
64079	06/13/08	3.4
64079	07/14/08	0.9
64079	07/19/08	1.3
64079	07/19/08	4.9
64079	08/11/08	< 0.3
64079	08/26/08	13.7
64079	08/26/08	18.9
64079	09/05/08	2.3
64079	09/13/08	< 0.3
64079	06/19/08	2.1
64079	06/21/08	8.7
64079	05/14/08	4.5
64079	09/29/08	2.4
64079		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	10/31/06	????
64079	11/03/06	10.3
64079	11/03/08	????
64079	11/04/06	1.2
64079	11/14/06	4.2
64079	11/25/06	1.6
64079	11/25/08	5.9
64079	11/30/07	????
64079	12/09/08	3.1
64079	12/29/08	8.4
64079	12/30/08	????

Federal EPA Radon Zone for PLATTE 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: 64079

Number of sites tested: 3

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	9.333 pCi/L	33%	33%	33%

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

Missouri Geologic Well Log Database

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 E

Reconnaissance Photographs



Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 13:



Photo 14:



Photo 15:



Photo 16:



Photo 17:



Photo 18:



Photo 19:



Photo 20:

APPENDIX F

Environmental Professional Qualifications



RACHAEL REIS

Environmental Scientist

EXPERIENCE SUMMARY

As a passion driven environmentalist, Rachael shares her perspective and insight on projects that impact communities. Her ability to analyze sites, provide recommendations, and solutions that cause a positive lasting impact within a community—makes her daily tasks, lifelong gratifying rewards.

Rachael provides clients with the tools necessary to complete projects within their communities—helping them grow or redevelop and influence residents' lives in environmentally conscious ways. Using her project knowhow, experience, and insight, she conducts phase I and II environmental site assessments (ESAs), site remediation, National Environmental Policy Act (NEPA) studies, wetland delineations, and endangered species habitat restoration and permitting services.

Many of the projects Rachael is involved in she serves as the Project Manager and Scientist, and her knowledge and communication capabilities span from working alongside public and private clients. She is relied upon by clients and Olsson for her advice because everyone understands that she is eager to make all parties involved succeed—a trait that is highly encouraging when approaching a project.

EDUCATION

- BA, Environmental Studies, University of Missouri at Kansas City

CERTIFICATIONS/TRAINING

- Certified Wetland Delineator
- HAZWOPER Certification
- National Highway Institute (NHI) Introduction to NEPA and Transportation Decision Making Training
- National Highway Institute (NHI) Integrating Freight in the Transportation Planning Process
- Union Pacific Rail Road Safety
- BNSF Rail Road Safety

OLSSON EXPERIENCE

- 2012 to Present

OVERALL EXPERIENCE

- 2012 to Present



RACHAEL REIS

Environmental Scientist

COMMERCIAL

- City of Kansas City, ESAs for Midwest Motors Brownfields Site; Kansas City, MO
- Hunt Midwest, Hunt Midwest Hook Farms South Development Plan Phase I and II ESA; Lee's Summit, MO
- TranSpec Leasing Inc, TranSpec Underground Storage Tank Removal, Phase I and II ESA; Kansas City, MO
- Trammel Crow Company, Trammell Crow KCI Logistics Centre V, Phase I and II ESA; Kansas City, MO
- McDonalds USA LLC, McDonalds Phase I AND II ESAs; Various Locations, KS and MO
- Price Brothers, ESA for Bluhawk; Overland Park, KS
- Blue Beacon International, Phase I ESA and Due Diligence Assessments for Blue Beacon Green Lantern Convenience Store & Truck Wash; Various Locations, MO
- Brinshore Development LLC, Phase I ESA for Brinshore Neff Printing; Kansas City, MO
- Gateway Developers LLC, Phase I ESA for Mission Gateway Mall; Mission, KS
- Green Lantern Car Wash, LLC, Phase I ESA for Green Lantern Locations; Various Locations, MO and KS
- Hammerford Development Company, Phase I ESA for Corbin Park Pad Sites 3 & 3A; Overland Park, KS
- Merrill Companies, LLC, Prairiefire Development; Overland Park, Kansas
- NorthPoint Development, Phase I Assessment for 1321 Fairfax Trafficway; Kansas City, KS
- Polsinelli, Environmental Site Investigation for Woodside Limited; Westwood, KS
- Schlitterbahn Waterparks and Resorts, Phase I ESA for SVVI Schlitterbahn Vacation Village; Kansas City, KS
- KC Hotel Loews, KC Convention Center Hotel, Site Remediation; Kansas City, MO

EDUCATION

- Drumm Farm Center for Children, Environmental Services for Campus Expansion; Independence, MO
- University of Kansas Hospital Authority, Phase I ESA for Campus Expansion; Kansas City, KS
- Barstow School, Former Hy-Vee Soil Vapor Sampling Investigation; Leawood, KS

HEALTHCARE

- Mercy Health Systems, Mercy 2300 S Jackson ESA; Joplin, MO
- HWA, Environmental Site Assessment for St. Luke's Ambulatory Clinic; Blue Springs, MO
- JE Dunn, Environmental Site Assessment for Stigler Rural Community Hospital; Stigler, OK
- Mercy Health Systems, NEPA Compliance & Permitting for New Clinics; Lebanon & Carthage, MO

INDUSTRIAL

- ARCO National Construction, ARCO Grundfos Industrial Building ESA; Lenexa, KS
- NorthPoint, Environmental Site Assessment for Northland Industrial Park; North Kansas City, MO

RACHAEL REIS

Environmental Scientist

LOCAL

- City of Coffeyville, Environmental Investigations for Brownfields Assessment; Coffeyville, KS
 - City of Kansas City, On-Call Environmental Services; Kansas City, MO
 - City of Blue Springs MO, Blue Springs MO, Phase I ESA; Blue Springs, MO
-

RENEWABLE ENERGY

- Black Hills Energy, Phase I ESA; Siloam Springs, AR
-

RESIDENTIAL

- Summit Custom Homes, Clayton Properties West Village Phase I and II ESA; Lee's Summit, MO
 - Price Brothers Construction, Price Bros Bluhawk Apartments Phase I and II ESA; Overland Park, KS
 - AG Spanos Construction Inc., Environmental Assessment for Shoal Creek II Village, 5th Plat; Liberty, MO
 - Briarcliff, Environmental Site Assessment for Riverfront Apartments; Kansas City, MO
 - Housing Authority of Kansas City MO, KC Housing Authority Transaction Screenings; Statewide, MO
-

STATE

- Kansas Department of Health & Environment, Phase I and II ESA; Chanute, KS
 - Kansas Department of Health & Environment Phase I and II ESA; Fort Scott, KS
-

SPORTS & RECREATION

- Kibo Holdings, Kibo Holdings Ozark Campground Rezoning, Phase I and II ESA; Branson, MO
-

WASTEWATER

- Jackson County, On-Call Geotechnical and Testing, Medical Examiner Office Wastewater Sampling; Kansas City, MO