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Phase One Environmental Site Assessment

**277 HIGHWAY 64
LOUISBURG, MISSOURI**

October 29, 2020

Prepared for:

THE LAIDERMAN LAW FIRM, P.C.

SCI No. 2020-0636.20, Task 001



SCI ENGINEERING, INC.

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GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
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CONSTRUCTION SERVICES

October 29, 2020

Ms. Lindsey E. Weinberg, Attorney at Law
The Laiderman Law Firm, P.C.
1067 North Mason Road, Suite 3
St. Louis, Missouri 63141

RE: Phase One Environmental Site Assessment
277 Highway 64
Louisburg, Missouri
SCI No. 2020-0636.20, Task 001

Dear Ms. Weinberg:

SCI Engineering, Inc. (SCI) has completed the Phase One Environmental Site Assessment at the above-referenced site, the report of which is contained herein. Phase One activities consisted of historical and public records research, historical review, interviews, and a reconnaissance survey.

Based on the activities which were performed in general accordance with the ASTM Practice E 1527-13 for Phase One Environmental Site Assessments, SCI identified no evidence of Recognized Environmental Conditions in connection with the subject site.

SCI appreciates being of service to you on this project. Please contact us if you have any questions or comments regarding this report.

Respectfully,

SCI ENGINEERING, INC.

A handwritten signature in black ink that reads "Britta Moyer".

Britta M. Moyer, E.I.
Staff Engineer

BMM/BKB/hmm/lf

A handwritten signature in black ink that reads "Ben Butterfield".

Benjamin K. Butterfield, CHMM
Project Scientist

Enclosure

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Phase One Environmental Site Assessment

**277 HIGHWAY 64
LOUISBURG, MISSOURI**

1.0 INTRODUCTION

At the request of Ms. Lindsey E. Weinberg, Attorney for The Laiderman Law Firm, P.C., SCI Engineering, Inc. (SCI), conducted a Phase One Environmental Site Assessment (Phase One) on property that currently hosts a commercial structure addressed at 277 Highway 64 in Louisburg, Missouri (site or subject site). Our services were provided in general accordance with our proposal, dated May 26, 2020, and accepted by Ms. Weinberg on June 5, 2020; however, the *Acceptance of Proposal for Professional Services* was not received until August 31, 2020.

The purpose of this assessment was to explore for evidence of the presence of Recognized Environmental Conditions (RECs), in accordance with the ASTM Practice E 1527-13 for Phase One Environmental Site Assessments. An REC means the presence or likely presence of any hazardous substances or petroleum products 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. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies.

The performance of this assessment may also identify Historical Recognized Environmental Conditions (HRECs) and/or Controlled Recognized Environmental Conditions (CRECs). An HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, or meeting unrestricted residential 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). A CREC is identified as a Recognized Environmental Condition, which involves a past release of hazardous substances, or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority and that is subject to activity and use limitations.

Phase One activities included historical and public records research, interviews, and a reconnaissance (walkover) survey. The details of these activities are outlined herein.

2.0 SITE RECONNAISSANCE

A site reconnaissance was conducted by Staff Engineer, Ms. Britta M. Moyer of SCI on September 15, 2020, under the direction of SCI's Environmental Professional, Mr. Benjamin K. Butterfield, CHMM. The reconnaissance was performed by walking the perimeter and across portions of the remainder of the site. Structures were observed from the exterior along with accessible interior areas. The purpose of the site reconnaissance was to assess the physical conditions at and adjacent to the site. A *Vicinity and Topographic Map*, Figure 1, and a *Site/Surrounding Properties Map*, Figure 2 are enclosed. Photographic documentation is contained in Appendix A.

2.1 Site Use

At the time of SCI's site reconnaissance, the subject site hosted Wienert Mfg. Co, a paint coloring company. Operations on the site consisted of coloring and selling pre-manufactured paints and paint equipment. A grass-covered area in front of the on-site structure was utilized for parking. A concrete patio was on the west side of the on-site structure. The east and north sides of the on-site structure were grass-covered. General site and building information is provided in Table 2.1.

Table 2.1 - General Site and Building Information

Category	Description
Subject Site Address:	277 State Highway 64 in Louisburg, Missouri.
Tax ID:	04502100000030000
Parcel Size:	0.33 acres
Site Escort/Contact:	Mr. Bob Wienert – Wienert Manufacturing Co.
Building Description:	Single-story, wood siding
Building Size:	~ 4,500 square feet
Approximate Construction Date:	~ 1916/1917

2.2 Heating and Cooling Systems

The on-site structure appeared to have natural gas for heat and electric cooling utilities. No evidence of heating oil use was observed. As discussed herein, the current structure has been present on the subject site since at least 1916/1917. The past heating source for the current structure is unknown but may have been heating oil contained in an aboveground storage tank (AST) or underground storage tank (UST). If an AST or UST is encountered during future site development activities, SCI recommends that it be removed, along with any associated impact.

2.3 Water and Sewage Systems

The on-site structure had village well water and a septic system. SCI does not consider the septic system to represent a REC. If future site development activities included the removal of the septic system, these activities should be performed in accordance with applicable regulations.

2.4 Interior and Exterior Observations

A summary of the observations from the site reconnaissance is tabulated in Table 2.2. Detailed information for any of the identified conditions are further discussed after the table.

Table 2.2 – Summary of Interior and Exterior Observations

Description of Item	Identified? (check if yes)
Underground Storage Tanks (USTs)	☐
Aboveground Storage Tanks (ASTs)	☒
Drums	☒
Unidentified Substance Containers	☐
Landfills	☐
Solid Waste/Farm Dumps	☐
Suspect Fill Materials	☐
Hazardous Substances and/or Petroleum Products	☒
Chemical Odors	☐
Drains or Sumps	☐
Wells	☐
Pools of Liquid	☐
Electrical Transformers	☒
Hydraulic Lifts	☐
Elevators	☐
Other Hydraulic Equipment	☐
Interior Stains or Corrosion	☒
Pits, Ponds, or Lagoons	☐
Stained Soil or Pavement	☐
Stressed Vegetation	☐
Wastewater Systems	☐
Railroad Spurs/Tracks	☐
Pipeline Markers	☐
Other Uses of Concern	☒

As noted in the preceding table, the following is a discussion of the conditions noted during the site reconnaissance.

- An empty air float tank was noted during the site reconnaissance. The tank appeared to be in good condition with no evidence of leaking or spills. Therefore, SCI does not consider this to represent a REC.
- Empty 55-gallon drums, a 55-gallon drum of acrylic emulsion additive for paint, and two 55-gallon drums of linseed oil were observed during the site reconnaissance. The drums appeared to be in good condition with minimal staining and no evidence of leaking. As such, SCI does not consider the drums to represent a REC.
- Five-gallon paint buckets and one-gallon paint cans, full and empty, were observed during the site reconnaissance. Many of the cans and buckets appeared to be in good condition with no evidence staining or leaking. Some buckets and cans had minor staining with no evidence of leaking. As such, SCI does not consider them to represent a REC.
- A small gas can, and several small bottles of petroleum products used for maintenance were noted during the site reconnaissance. The gas can, and bottles of petroleum products appeared to be in good condition with no evidence of leaking or spills. As such, SCI does not consider them to represent a REC.
- Several pole-mounted transformers were observed in the general vicinity of the subject site. These transformers appeared to be in good condition with no signs of staining or leakage and, therefore, do not represent an REC to the subject site. No other suspect PCB-containing equipment was observed on site. Under EPA rules, transformers are assumed to contain fluid containing 50 to 499 parts per million (ppm) PCBs unless tested. The local utility company should be consulted should leakage from any of the transformers in the vicinity of the subject site be observed in the future. Any impact resulting from these transformers would be the responsibility of the utility company which owns them.
- Staining from paint was noted throughout the paint storage/workshop area. Minimum oil staining was also noted and is likely from the linseed oil that is utilized on the subject site. No drains were located in the vicinity. As such, SCI does not consider the staining to represent a REC.
- A linseed oil spill was noted in the storage addition of the building. The spill was also mentioned by Mr. Robert Wienert, current operator and co-trustee of the subject site, during the site reconnaissance. He indicated that he had placed cardboard over the spill to help soak up the oil. The spill appeared to be of a limited quantity on concrete flooring with no drains in the vicinity. SCI does not consider this spill of linseed oil to represent a REC, however it should be cleaned up and disposed of properly.
- A limited quantity of free oil was noted on top of a cardboard drum in the paint storage/workshop area. The oil is likely linseed oil used at the subject site and was contained to the lid of the cardboard drum. SCI does not consider the free oil to represent a REC, however, it should be properly disposed.

- Several derelict cars were noted on the western and northern properties during the site reconnaissance; however, due to their off-site location, SCI does not consider them to represent a REC.

2.5 Adjacent Property Use

The subject site was bound to the north by wooded and grass-covered land. Adjacent to the northeast from the subject site was residential property, beyond which was grass-covered land. Adjacent to the east was a barn-type structure, which appeared to be utilized for storage, beyond which was North Street (a gravel roadway that leads to the northeast adjacent residential property), followed by residential properties. Adjacent to the southeast from the subject site was MO-64, beyond which was residential property. Adjacent to the south from the subject site was MO-64, beyond which was a vacant Williams Bros (a feed seed fertilizer and groceries facility) with a gravel parking lot in front of the store, South Road, and a commercial building, which hosted the US Post Office and Valley Realty Company. Adjacent to the southwest from the subject site was MO-64, beyond which was the US Post Office and Valley Realty Company, and residential property. Adjacent to the west from the subject site was a grass-covered lot with a barn-type structure, beyond which was Well House Road (a partial gravel roadway), followed by vacant commercial structure on grass-covered and wooded land.

3.0 PHYSICAL SETTING

3.1 Topography

The elevation of the subject site is approximately 1170 feet above mean sea level (msl), according to the *Vicinity and Topographic Map*, contained as Figure 1. This map is a reproduction of a portion of the United States Geological Survey (USGS) topographic map for the Urbana, Missouri quadrangle, dated 1950; and Buffalo NW, Missouri quadrangle, dated 1961. The subject site is situated on a small east-to-west trending ridge. The crest of this ridge is east of the subject site.

SCI was not provided with a boundary survey for the subject site in which topographic contours are depicted. Therefore, SCI was unable to compare the actual topography to that on the USGS map, which is useful in determining whether substantial filling has occurred.

3.2 Hydrology and Hydrogeology

SCI did not observe evidence of ponds, lakes, rivers, or streams during the site reconnaissance. Surface runoff on the subject site flowed primarily in a southeastern and southwestern direction. There is potential for the subject site to receive surface runoff from the properties adjacent to the east. As previously

mentioned, this property consisted of a barn-type structure, which appeared to be utilized for storage, beyond which was North Street (a gravel roadway that leads to the northeast adjacent residential property), followed by residential properties. Based on the lack of evidence of petroleum, toxic, or hazardous materials at this adjacent property, surface runoff onto the site does not represent an REC.

The presence and flow direction of a perched groundwater table can only be conclusively verified by subsurface investigation. However, if present, its flow direction would normally parallel the undisturbed surface topography. Therefore, groundwater flow on the subject site would likely be to the southeast and southwest. The site will likely receive groundwater flow from the adjoining property to the east, which consisted of a barn-type structure, which appeared to be utilized for storage, beyond which was North Street (a gravel roadway that leads to the northeast adjacent residential property), followed by residential properties. SCI does not consider groundwater flow onto the site to represent a REC.

According to the *Missouri Geological Survey*, the site is located in the Salem Plateau groundwater province that includes two major aquifers that underlie this region, the St. Francois and Ozark aquifers. The St. Francois aquifer consists of Lamotte Sandstone and the Bonneterre Formation. Overlying the St. Francois aquifer is low-permeability carbonate and shale including the Derby-Doerun dolomites and Davis Formation and together form the St. Francois confining unit. Ordovician and Cambrian-age dolomite and sandstone units comprising the Ozark aquifer overlie the St. Francois confining unit and the Ozark aquifer consists of bedrock units from the top of the Kimmswick Limestone to the base of the Potosi Dolomite. These geologic units do not have uniform water-yielding characteristics. Commonly, the younger formations have a lower hydraulic conductivity than the older units. Large quantities of high-quality groundwater are generally easier to obtain in the Salem Plateau groundwater province and groundwater quality in the region is a moderately mineralized calcium-magnesium-bicarbonate type.

4.0 HISTORICAL USE INFORMATION

Historical records and interviews are used to determine past uses of the subject site and whether these past uses may be an environmental concern. The standard to which this report was conducted requires the identification of all past uses of the site, from the present to the first developed use, or back to 1940, whichever is earlier. However, review of standard historical sources at less than approximately 5-year intervals is not required. SCI used as many practically reviewable sources as necessary to identify the past uses of the subject site.

4.1 Owner Interview

SCI submitted an *Environmental Assessment Questionnaire* (EAQ) to Ms. Lindsey E. Weinberg, Attorney for The Laiderman Law Firm, P.C., the user of this report. Responses were provided by Ms. Karen J. Grimes, co-trustee. Ms. Grimes indicated that the property was acquired through the Revocable Trust of Lester A. Wienert, dated June 16, 2008 and that by Warranty Deed, dated June 16, 2008, Mr. Wienert placed this property in his Trust and the Trust assumed responsibility for the property upon his death on February 2, 2017. She also indicated that the decedent purchased the property on June 2, 1999 from Republic Equipment, Inc (defunct MO Corporation) by Corporation Warranty Deed. She did not know how long the current structure has been on site, but construction of the structure is known only to have existed prior to the purchase. She was unaware of any wells or cisterns on the subject site. She was also not aware of any ASTs, USTs, or heating oil use. She indicated that in the context of damaged or discarded paints there were none, but that spoiled pending on disposal may qualify. She was not aware of any drums on the subject site. She also not aware of any hydraulic lifts or oil/water separators located on the subject site, but she has no knowledge prior to June 2, 1999. To the best of her knowledge, Ms. Grimes was not aware of any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials which have been discharged, dumped above grade, buried, disposed, and/or burned on the subject site. A copy of the completed EAQ is contained in Appendix B.

SCI submitted an *Environmental Assessment Questionnaire* (EAQ) to Mr. Bob Wienert, Wienert Manufacturing Co., co-trustee of the subject site. Mr. Wienert indicated that Wienert Manufacturing Co. (Lester Wienert Trust) was the property owner. He indicated himself, Ms. Karen Grimes, and Mr. Tim Powell as trustees. He also indicated that the subject site was acquired the property from Charles Knowles Springfield and Forest Dormar. However, Mr. Wienert did not provide contact information. He indicated that the current structure has been on the subject site since 1916 or 1917 and that it is currently used to sell paint and paint equipment. He indicated that the site utilized electric heat and power, village water, and a septic tank. He was unaware of what was on the subject site before 1916 or 1917. He was not aware of any ASTs, USTs, or heating oil use on the subject site. He indicated that currently or to the best of his knowledge to have there ever been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than five-gallon in volume or 50-gallons in the aggregate stored on the property or at the facility that he sells paints. He indicated there were 55-gallon drums of linseed oil and as discussed in Section 2.4, they do not represent a REC.

Additionally, during the site reconnaissance, Mr. Wienert indicated that the subject site has hosted at least two grocery stores, and auction house, and was a car repair garage. He also indicated that there were no floor drains in the building. There was no evidence of floor drains, oil/water separators, or inground/aboveground hydraulic lifts. Mr. Wienert indicated that he has seen no evidence that the building was a car repair garage and that he only knows that he was told the site was used as such. No listings were identified in connection with the subject site during review of regulatory listings. As such, based on no listings, and no evidence of car repair, SCI considers the subject site's possible past use as a car repair garage to represent a *de minimis* condition. To the best of his knowledge, Mr. Wienert was not aware of any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials which have been discharged, dumped above grade, buried, disposed, and/or burned on the subject site. A copy of the completed EAQ is contained in Appendix B.

4.2 Key Site Manager and/or Occupant Interview

Please refer to Section 4.1.

4.3 User Interview

SCI submitted an *Assessment User Questionnaire* (AUQ) to Ms. Lindsey E. Weinberg, Attorney for The Laiderman Law Firm, P.C., the user of this report. The following responses (Table 4.1) were provided by Ms. Karen Grimes. A copy of the completed questionnaire is contained in Appendix B.

Table 4.1 – User Questionnaire Responses

Question	Response
Why is the Phase One required and/or which of the following Landowner Liability Protections do you seek?	☒ Innocent Landowner ☐ Contiguous property owner ☐ Bona fide prospective purchaser ☒ Other: Under iii, the Trust acquired ownership of this property which was purchased by the decedent and the mater of the Trust. Of course, Bob being an owner/operator of the business conducted at the property, there may be a technicality since he should know or have reason to know during his period of operations, both solo and with the decedent. It may be that due to Bob's ownership, Other may qualify.
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	None

Question	Response
Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?	None
As the user of this ESA 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?	Think Bob should declare his background in formulation of paint.
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?	Since this survey actually precedes a sale/auction, the only purchase price in play is the \$41K the decedent paid for the property or the Appraisal that was performed to determine Trust Valuation, also \$41K. No price at this time is associated with any contamination issue.
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, as user:	
Do you know the past uses of the property?	The decedent conducted a paint re-sale business which involved the mixing of tints into base to make paint.
Do you know of specific chemicals that are present or once were present at the property?	Only Bob would know this.
Do you know of spills or other chemical releases that have taken place at the property?	None to my knowledge, but only Bob would know.
Do you know of any environmental cleanups that have taken place at the property?	None- the decedent never disclosed or informed of any environmental cleanup.
As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?	Mixing of tint to paint base is a fairly simple process that would not generally involve spillage or contamination.
Do you have any other knowledge of experience with the <i>property</i> that may be pertinent to the <i>environmental professional</i> (for example, copies of any available prior <i>environmental site assessment reports</i> , documents, correspondence, etc., concerning the property and its environmental condition)?	None

SCI submitted an *Assessment User Questionnaire* (AUQ) to Ms. Lindsey E. Weinberg, Attorney for The Laiderman Law Firm, P.C., the user of this report. The following responses (Table 4.1) were provided by Mr. Robert Wienert. A copy of the completed questionnaire is contained in Appendix B.

Table 4.1.1 – User Questionnaire Responses

Question	Response
Why is the Phase One required and/or which of the following Landowner Liability Protections do you seek?	☒ Innocent Landowner ☐ Contiguous property owner ☐ Bona fide prospective purchaser ☐ Other:
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	No
Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?	No
As the user of this ESA 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, (sold paint)
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, appraisal is too high for Louisburg.
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, as user:	
Do you know the past uses of the property?	At least two grocery stores, consignment auction house, car repair garage, and feed store?
Do you know of specific chemicals that are present or once were present at the property?	No
Do you know of spills or other chemical releases that have taken place at the property?	No
Do you know of any environmental cleanups that have taken place at the property?	No
As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?	No
Do you have any other knowledge of experience with the <i>property</i> that may be pertinent to the <i>environmental professional</i> (for example, copies of any available prior <i>environmental site assessment reports</i> , documents, correspondence, etc., concerning the property and its environmental condition)?	No

As discussed in Section 4.1, SCI considers the subject site's potential past use as a car repair garage to represent a *de minimis* condition. Additionally, SCI's observations of the paint re-sale and tinting operations on the site, discussed in Section 2.4, did not lead to the identification of RECs.

4.4 Past Owner Interview

As mentioned above, the current owner of the subject site acquired the property from Mr. Lester A. Wienert, decedent on February 2, 2017. Therefore, a past owner interview was not conducted.

4.5 Local Fire Department Interview

SCI submitted a letter of request to the Louisburg Volunteer Fire Department regarding storage or spillage of petroleum, toxic, or hazardous materials on or adjacent to the subject site. SCI received a response from Chief Mike Barclay. His response indicated that they have never had an incident that he could find in their records for the subject site. A copy of SCI's request to the fire department is contained in Appendix C.

4.6 Title Review

Land title records contain information about historical fee ownership, which may include leases, contracts, and/or AULs. This information is recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. Often this source will provide only names of previous owners, lessees, easement holders, etc. but when employed in combination with another source may provide helpful information about uses of the property.

SCI was provided with the current title commitment for the subject site. SCI's review of the title documentation did not reveal evidence of environmental liens or AULs on the subject site. Additionally, as indicated in the attached AUQ, Ms. Karen Grimes and Mr. Robert Wienert, Co-Trustees, indicated that they were not aware of any environmental cleanup liens against the subject site that were filed under federal, tribal, state, or local law.

Ms. Grimes and Mr. Wienert also indicated that they were not aware of AULs, engineering controls, or land use restrictions that have been recorded on the title for the property.

4.7 Historical Document Review

4.7.1 Sanborn Map Review

Sanborn fire insurance maps were produced for the insurance industry starting in the late 1800s to assist in evaluating the fire risks of a building or area. Sanborn maps show structure locations and typically indicate the usage of the structure, whether it be a dwelling, store, or a manufacturing plant. The actual name of the company operating the facility is also sometimes given. These maps show the type of construction of buildings, and also show locations of USTs and ASTs used for the storage of highly flammable materials including solvents, paint, and motor fuels. The identification of USTs on Sanborn maps often makes them one of the only ways to identify past UST sites. Most large older towns and cities have some Sanborn coverage. Typically, the larger and older the area, the better the coverage.

SCI obtained a *Certified Sanborn® Map Report* for the subject site and surrounding properties from Environmental Data Resources, Inc. (EDR). The EDR report indicated that there were no fire insurance maps available.

4.7.2 *Historical Aerial Photograph Review*

Aerial photographs are an important source for showing past conditions on a site. Vegetation and developments like structures, water bodies, or land disturbance are generally readily apparent. However, vegetation can often obscure from view activities taking place under the canopy of trees. The aerial photographs typically available for review as part of a Phase One are usually large-scale black and white photographs. For these reasons, small details may be difficult to discern.

SCI reviewed *The Aerial Photo Decade Package* from EDR. A copy of the EDR report is contained in Appendix D. The EDR report indicated there were aerial photographs available for the years 2016, 2012, 2009, 2006, 1996, 1990, 1986, 1983, and 1948. A summary of this review is contained in Table 4.2.

Table 4.2 - Historical Aerial Photograph Summary

Year	Observations
2016	The subject site appeared to host a commercial structure on the central and southern portions of the site. The remainder of the site appeared grass-covered with sparse trees. Adjacent to the north from the subject site was wooded and grass-covered land. Adjacent to the northeast from the subject site was residential property, beyond which was agricultural land. Adjacent to the east from the subject site was a commercial structure with what appeared to be a detached shed, beyond which was a gravel roadway that lead to the northeast adjacent residential property, followed by residential properties. Adjacent to the southeast from the subject site was MO-64, beyond which was a commercial structure. Adjacent to the south from the subject site was MO-64, beyond which was a commercial structure and a roadway. Adjacent to the southwest from the subject site was MO-64, beyond which was a commercial structure. Adjacent to the west from the subject site appeared to be residential property, beyond which was a gravel roadway leading to residential property, followed by commercial property. Adjacent to the northwest from the subject site was residential property, beyond which was residential property.
2012	The subject site and surrounding properties appeared similar to the 2016 aerial photograph.
2009	The subject site and surrounding properties appeared similar to the 2012 aerial photograph, with the exception that fewer residential structures were noted to the northeast from the subject site.
2006	The subject site and surrounding properties appeared similar to the 2009 aerial photograph.
1996	The subject site and surrounding properties appeared similar to the 2006 aerial photograph, with the exception that the west adjacent structure was no longer present. This property was vacant, grass-covered land.
1990, 1986, 1983, 1948	Due to poor image quality, individual details were difficult to discern.

This review of historical aerial photographs identified no evidence of environmental conditions in connection with the subject site. Furthermore, it is noted that the subject site has been developed back to at least 1948.

4.7.3 City Directory Review

City directories, such as Polk or Hanes Criss-Cross directories are useful tools in determining the past use of urban properties. Most larger urban areas have had city directories published. City directories were published from the late 1800s until today. The most useful portion of the city directory for property research is the Criss-Cross directory which lists each street within the municipality and what is located at each address on that street. City directories are only useful for urban areas and are generally not published for rural or small municipalities.

SCI obtained a *City Directory Image Report* for the subject site and surrounding properties from EDR. A copy of the EDR report is contained in Appendix E. Table 4.3 lists the chronological listings for the subject site and immediately adjacent properties located along State Highway 64 and North Street. Notable listings are in bold and are further discussed below the table.

Table 4.3 – City Directory Summary

Property	Address: Listing Description by Year
Subject Site	<u>277 State Highway 64</u> Wienert Mfg. Co. (2017, 2014); Lester A. Wienert (2017, 2014); and No Listings (2010, 2005).
West/Northwest/North	<u>273 State Highway 64</u> No listings (2017, 2014, 2010, 2005).
Northeast	<u>5 North Street</u> Residential Listing (2014, 2010, 2005).
East	<u>279 State Highway 64</u> No listings (2017, 2014, 2010, 2005).
Southeast	<u>No physical address</u> Tax ID: 04802800000009000
South	<u>276 State Highway 64</u> No listings (2017, 2014, 2010, 2005). <u>274 State Highway 64</u> United States Government (2017, 2014); US Post Office (2010); and Louisburg Postal Service (2005).
Southwest	<u>272 State Highway 64</u> No listings (2017, 2014, 2010, 2005).

No listings of concern were noted during review of city directories.

4.7.4 Historical Topographic Map Review

Historical topographic maps can be used to identify changes in site topography as well as site development and usage. Differences in the topographic lines on the maps from one edition to the next can indicate areas where fill may have been placed on the subject site or show areas where soil may have been removed or cut. Most topographic maps depict man-made structures as well as natural features including wooded areas, streams, rivers, lakes, and ponds. However, if a property is located in an urban setting, the topographic map may not show individual structures.

SCI obtained *The Historical Topographic Map Report* from EDR for the subject site and adjacent properties. A copy of the EDR report is contained in Appendix F. SCI reviewed 7.5-minute topographic maps for the years 2015, 1951, and 1950. SCI also reviewed a 15-minute topographic map for the year 1989, and 30-minute topographic maps for the years 1892 and 1884. A summary of this review is contained in Table 4.4.

Table 4.4 - Historical Topographic Map Summary

Year	Observations
2015	The elevation of the subject site is approximately 1170 feet above msl. Adjacent to the east from the subject site was a short roadway. Adjacent to the south from the subject site was MO-64. Adjacent to the west from the site was a short roadway. No structures were depicted on the topographic map, as it was intended to be viewed over an aerial photograph.
1989	The subject site hosted a residential type structure. Adjacent to the east and west were residential type structures, beyond which were more residential structures. Adjacent to the north appeared to be undeveloped and adjacent to the south was MO-64.
1951	The subject site and surrounding properties appeared similar to the 1989 topographic map, with the exception that a commercial structure was adjacent to the east of the subject site.
1950	The subject site and surrounding properties appeared similar to the 1951 topographic map.
1892	Due to the scale of the map, individual structures were unable to be discerned.
1884	Due to the scale of the map, individual structures were unable to be discerned.

This historical topographic map review has revealed no additional evidence of environmental conditions in connection with the subject site. It is noted, the subject site has been developed since at least 1950.

4.7.5 City Permits

SCI requested building permits and zoning records from the Buffalo Chamber of Commerce. However, as of the date of this report, SCI has not received a response. If a response of concern is received, SCI will

notify the client. Additionally, SCI reviewed city permits through EDR Lightbox. No permits were noted for the subject site.

4.8 Summary of Historical Use

The subject site has been a commercial property since 1916/1917. According to Mr. Robert Wienert, user, prior occupants include two grocery stores, consignment auction house, car repair garage, and feed store.

The surrounding properties were predominantly residential and commercial back to at least 1948. The surrounding properties have since remained both residential and commercially developed.

5.0 REGULATORY AGENCY RECORDS REVIEW

SCI reviewed environmental records obtained from EDR. A copy of the report is contained in Appendix G. This search covered all lists required by ASTM E 1527-13 to the required approximate minimum search distance as shown on Table 5.1.

Table 5.1 - Environmental Record Sources

Records Sources ¹	Approximate Minimum Search Distance	Properties Identified
Federal National Priorities List (NPL)	1.0 Mile	0
Federal Delisted NPL	0.5 Mile	0
Federal Superfund Enterprise Management System (SEMS)	0.5 Mile	0
Federal Superfund Enterprise Management System Archive (SEMS-ARCHIVE)	0.5 Mile	0
Federal Resource Conservation & Recovery Information System (RCRIS): Treatment, Storage, and Disposal (TSD)	0.5 Mile	0
Federal Resource Conservation & Recovery Information System (RCRIS): Facilities List and Generators List	Site and Adjacent Properties	0
Federal RCRA TSD Facilities with Corrective Action Activities (CORRACTS)	1.0 Mile	0
Federal Emergency Response Notification System (ERNS)	Site Only	0
Federal Institutional/Engineering Control (IC/EC) Registries	Site Only	0
Missouri Hazardous Waste Sites List	1.0 Mile	0
Missouri Solid Waste Landfill List	0.5 Mile	0
Missouri Leaking Underground Storage Tank (LUST) List	0.5 Mile	0
Missouri Registered UST List	Site and Adjacent Properties	0
Missouri Institutional/Engineering Control (IC/EC) Registries	Site Only	0
Additional Environmental Record Sources	Various	1

5.1 Federal NPL

Section 105(a)(8)(B) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) requires the preparation of the NPL. The NPL is a list of national priorities among the known or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States. The identification of a site for the NPL is intended to guide the USEPA in: determining which sites warrant further investigation to assess the nature and extent of the human health and environmental risks associated with a site; identifying what CERCLA-financed remedial actions may be appropriate; notifying the public of sites USEPA believes warrant further investigation; and serving notice to potentially responsible parties that USEPA may initiate CERCLA-financed remedial action.

No listings were encountered during the review of the NPL database within the ASTM-prescribed minimum search distance of the subject site.

5.1.1 Federal Delisted NPL

The National Oil and Hazardous Substance Pollution Contingency Act (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.

No listings were encountered during the review of the delisted NPL database within the ASTM-prescribed minimum search distance of the subject site.

5.2 Federal SEMS

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

No listings were encountered during the review of the SEMS database within the ASTM-prescribed minimum search distance of the subject site.

5.2.1 Federal SEMS-ARCHIVE

The Superfund Enterprise Management System Archive (SEMS-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. SEMS-ARCHIVE sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

No listings were encountered on the SEMS-ARCHIVE list within the ASTM-prescribed minimum search distance of the subject site.

5.3 Federal RCRIS

Hazardous waste data is contained in the Resource Conservation and Recovery Information System (RCRIS) in support of the Resource Conservation and Recovery Act (RCRA). RCRA requires that generators and transporters of hazardous waste, as well as hazardous waste treatment, storage and disposal (TSD) facilities provide information concerning their activities to state environmental agencies. These agencies then provide information to regional and national USEPA offices. RCRIS is used by the USEPA to support its implementation of RCRA.

No listings were encountered during the review of the RCRIS database within the ASTM-prescribed minimum search distance of the subject site.

5.4 Federal CORRACTS

The EPA maintains this database of RCRA TSD facilities that are undergoing corrective action. A corrective action order is issued pursuant to RCRA section 3008(h) if there has been a release of hazardous waste into the environment from a RCRA facility.

No listings were encountered during the review of the CORRACTS database within the ASTM-prescribed minimum search distance of the subject site.

5.5 Federal ERNS

The Emergency Response Notification System (ERNS) is a database used to store information on notifications of oil discharges and hazardous substance releases. The ERNS program is a cooperative data

sharing effort among the USEPA, the Department of Transportation, and the National Response Center. ERNS provides the most comprehensive data compiled on notifications of oil discharges and hazardous substance releases in the United States.

No listings were encountered during the review of the ERNS database within the ASTM-prescribed minimum search distance of the subject site.

5.6 Federal IC/EC

Databases of institutional controls or engineering controls maintained by a federal agency for purposes of tracking sites that may contain residual contamination and activity and use limitations (AULs).

No listings were encountered during review of the IC/EC database within the ASTM-prescribed minimum search distance of the subject site.

5.7 Missouri Hazardous Waste Sites List

The Missouri “Superfund Law” requires the Missouri Department of Natural Resources (MDNR) to annually publish a registry entitled *Missouri Registry Annual Report: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites in Missouri*.

No listings were encountered during the review of the Registry within the ASTM-prescribed minimum search distance of the subject site.

5.8 Missouri Solid Waste Landfill List

The MDNR Solid Waste Management Program publishes and regularly updates the List of Sanitary Landfill Contacts in Missouri; the List of Demolition, Utility Waste and Special Waste Landfill Contacts; the List of Transfer Station Contacts in Missouri; the List of Inactive Facilities; and the List of Closed Facilities.

No listings were encountered during the review of the landfill lists within the prescribed minimum search distance of the subject site.

5.9 Missouri LUST List

The MDNR Hazardous Waste Program publishes and regularly updates a List of Leaking Underground Storage Tanks Active Sites.

No listings were encountered during the review of the LUST database within the ASTM-prescribed minimum search distance of the subject site.

5.10 Missouri Registered UST List

The MDNR maintains a regularly updated database of Registered USTs.

No listings were encountered during the review of the registered UST database within the ASTM-prescribed minimum search distance of the subject site.

5.11 Missouri IC/EC

Databases of institutional controls or engineering controls maintained by a state agency for purposes of tracking sites that may contain residual contamination and AULs.

No listings were encountered during review of the IC/EC database within the ASTM-prescribed minimum search distance of the subject site.

5.12 Additional Environmental Record Sources

SCI reviewed listings of Additional Environmental Records Sources, as outlined in the EDR Radius Report, attached as Appendix G. These records include various state and federal databases, as well as proprietary records maintained by EDR. As a conservative approach, in accordance with ASTM 1527-13, Additional Environmental Records were searched at various distances up to one-mile from the subject site. One listing was identified within the searched records. This listing was identified as Cozy Corner Store, 2468 Highway 65, located approximately 1,200 feet to the northeast from the subject site (AST). Due to the distance of this listing from the subject site, SCI does not consider it to represent an REC.

6.0 VAPOR ENCROACHMENT SCREENING

In accordance with ASTM Practice E 1527-13, SCI conducted an initial vapor encroachment screening to determine if there is a potential for chemical of concern vapors to be present in the subsurface of the subject site due to the release of vapors from contaminated soil or groundwater either on, or near, the subject site. The initial vapor encroachment screening was performed using a “non-invasive” screening process, which consists of a site reconnaissance as well as a review of regulatory database and historical resources. If the initial vapor encroachment screening determines that there is a potential vapor encroachment condition (pVEC), the environmental professional further evaluated the pVEC to determine if it represents a REC in connection with the subject site. The pVEC will be identified as a REC where the potential for vapor

migration into existing and/or proposed on-site structures is considered likely or where the contaminant concentrations in soil, groundwater, or soil vapor on the subject site are significant and may result in enforcement against the responsible parties.

Based on the results of the vapor encroachment screening as outlined above, no pVECs were identified in connection with the subject site, with the exception of the subject site's potential past use as a car repair garage. As discussed in Section 4.1, the potential past use as a car repair shop represents a *de minimis* condition. SCI considers this pVEC to represent a *de minimis* condition.

7.0 ADDITIONAL INVESTIGATIONS

SCI is unaware of any additional environmental or geotechnical assessments previously or currently being conducted on the subject site.

8.0 FINDINGS

Phase One activities consisted of historical and public records research, historical review, interviews, and a reconnaissance survey. In the course of SCI's scope of service, we have identified the following environmental conditions in connection with the subject site, which includes all RECs, CRECs, HRECs, BERs, and *de minimis* conditions:

- The on-site structure appeared to have natural gas for heat and electric cooling utilities. No evidence of heating oil use was observed. As discussed herein, the current structure has been present on the subject site since at least 1916/1917. The past heating source for the current structure is unknown but may have been heating oil contained in an aboveground storage tank (AST) or underground storage tank (UST). If an AST or UST is encountered during future site development activities, SCI recommends that it be removed, along with any associated impact. (Section 2.2)
- The on-site structure had village well water and a septic system. SCI does not consider the septic system to represent a REC. If future site development activities included the removal of the septic system, these activities should be performed in accordance with applicable regulations. (Section 2.3)
- An empty air float tank was noted during the site reconnaissance. The tank appeared to be in good condition with no evidence of leaking or spills. Therefore, SCI does not consider this to represent a REC. (Section 2.4)
- Empty 55-gallon drums, a 55-gallon drum of acrylic emulsion additive for paint, and two 55-gallon drums of linseed oil were observed during the site reconnaissance. The drums appeared to be in good condition with minimal staining and no evidence of leaking. As such, SCI does not consider the drums to represent a REC. (Section 2.4 and 4.1)

- Five-gallon paint buckets and one-gallon paint cans, full and empty, were observed during the site reconnaissance. Many of the cans and buckets appeared to be in good condition with no evidence staining or leaking. Some buckets and cans had minor staining with no evidence of leaking. As such, SCI does not consider them to represent a REC. (Section 2.4)
- A small gas can, and several small bottles of petroleum products used for maintenance were noted during the site reconnaissance. The gas can, and bottles of petroleum products appeared to be in good condition with no evidence of leaking or spills. As such, SCI does not consider them to represent a REC. (Section 2.4)
- Several pole-mounted transformers were observed in the general vicinity of the subject site. These transformers appeared to be in good condition with no signs of staining or leakage and, therefore, do not represent an REC to the subject site. (Section 2.4)
- Staining from paint was noted throughout the paint storage/workshop area. Minimum oil staining was also noted and is likely from the linseed oil that is utilized on the subject site. No drains were located in the vicinity. As such, SCI does not consider the staining to represent a REC. (Section 2.4)
- A linseed oil spill was noted in the storage addition of the building. The spill was also mentioned by Mr. Robert Wienert, current operator and co-trustee of the subject site, during the site reconnaissance. He indicated that he had placed cardboard over the spill to help soak up the oil. The spill appeared to be of a limited quantity on concrete flooring with no drains in the vicinity. SCI does not consider this spill of linseed oil to represent a REC, however it should be cleaned up and disposed of properly. (Section 2.4)
- A limited quantity of free oil was noted on top of a cardboard drum in the paint storage/workshop area. The oil is likely linseed oil used at the subject site and was contained to the lid of the cardboard drum. SCI does not consider the free oil to represent a REC, however, it should be properly disposed of. (Section 2.4)
- Several derelict cars were noted on the western and northern properties during the site reconnaissance; however, due to their off-site location, SCI does not consider them to represent a REC. (Section 2.4)
- During the site reconnaissance, Mr. Wienert indicated that the subject site has hosted at least two grocery stores, and auction house, and was a car repair garage. He also indicated that there were no floor drains in the building. There was no evidence of floor drains, oil/water separators, or inground/aboveground hydraulic lifts. Mr. Wienert indicated that he has seen no evidence that the building was a car repair garage and that he only knows that he was told the site was used as such. No listings were identified in connection with the subject site during review of regulatory listings. As such, based on no listings, and no evidence of car repair, SCI considers the subject site's possible past use as a car repair garage to represent a *de minimis* condition. (Sections 4.1, 4.3, and 6.0)
- Cozy Corner Store, 12468 Highway 65, was listed on the AST database. This listing was located approximately 1,200 feet to the northeast from the subject site. Due to the distance of this listing from the subject site, SCI does not consider it to represent a REC. (Section 5.12)

9.0 DATA GAPS

A data gap is a lack of or inability to obtain information required by this practice despite good faith efforts to gather such data. In completing this Phase One, SCI encountered the following data gaps:

- As mentioned above, the current owner of the subject site acquired the property from Mr. Lester A. Wienert, decedent on February 2, 2017. Therefore, a past owner interview was not possible. However, based on review of historical documents completed as part of this Phase One the subject site has been developed since at least 1916/1917 and has historically hosted commercial occupants, none of which have represent an REC. It is unlikely that previous property owner would provide information leading to additional RECs. Therefore, this data gap is not significant.
- SCI encountered data failure throughout the review of historical documents. This data failure consisted of a gap greater than five years in the historical documents. These gaps were identified between the years of 1884-1892, 1892-1948, 1951-1983, 1990-1996, and 1996-2006. However, SCI does not consider these data failures to be significant because the use of the subject site during these gaps was similar and unlikely to have resulted in an additional REC.

10.0 CONCLUSIONS

We have performed a Phase One Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13 of 277 State Highway 64, the subject site. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report. This assessment has revealed no evidence of RECs in connection with the subject site.

11.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes for myself, and Ms. Britta M. Moyer, who performed the site reconnaissance, are contained in Appendix H.

12.0 REFERENCES CITED

ASTM International, 2013, *Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*, "Designation: E 1527-13," West Conshohocken, PA.

Environmental Data Resources, Inc., September 1, 2020, *Certified Sanborn® Map Report*.

Environmental Data Resources, Inc., September 3, 2020, *Aerial Photo Decade Package*.

Environmental Data Resources, Inc., September 3, 2020, *The EDR-City Directory Abstract*.

Environmental Data Resources, Inc., September 1, 2020, *EDR Historical Topographic Map Report*.

Environmental Data Resources, Inc., September 1, 2020, *The EDR Radius Map™ Report with GeoCheck*.

United States Geological Survey, Urbana, Missouri Quadrangle, dated 1950, 7.5-Minute Series (Topographic).

Miller, Don E., et al., 1974, *Water Resources of the St. Louis Area, Missouri*, Missouri Geological Survey and Water Resources, Water Resources Report No. 30, pp. 1-22.

13.0 LIMITATIONS

This report has been prepared for the exclusive use of The Laiderman Law Firm, P.C. Our services were performed in accordance with a specific scope of work and are subject to the terms and conditions agreed to as part of that scope of work. SCI is not responsible for independent conclusions or recommendations made by others. Furthermore, written consent must be provided by SCI should anyone other than The Laiderman Law Firm, P.C. wish to excerpt, or rely on, the contents of this report. The services performed are generally consistent with those outlined in ASTM Practice E 1527-13. The findings of this report are valid as of the present date of the assessment.

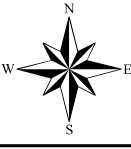
Changes in surface and subsurface conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, the broadening of knowledge, or other reasons. Accordingly, the findings of this report may be invalidated in whole or in part by changes outside our control.

SCI should be contacted with any known or suspected variations from the conditions described herein. If further development of this site indicates the presence of hazardous, toxic, or petroleum materials, or other concerns of an environmental nature, SCI should be notified to perform a re-evaluation of the environmental conditions.

The following assumptions are made by SCI in this report. SCI relied on information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. Except as set forth in this report, SCI has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner

representatives, computer databases, or personal interviews and has assumed that such information is accurate and complete. SCI assumes information provided by or obtained from governmental agencies including information obtained from government websites is accurate and complete. Groundwater flow and depth to groundwater, unless otherwise specified by on-property well data, are assumed based on contours depicted on the United States Geological Survey topographic maps. SCI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.



	PROJECT NAME 277 HIGHWAY 64 LOUISBURG, MISSOURI			GENERAL NOTES/LEGEND USGS TOPOGRAPHIC MAP URBANA, MISSOURI QUADRANGLE DATED 1950 BUFFALO NW, MISSOURI QUADRANGLE DATED 1961 10" CONTOURS	
	VICINITY AND TOPOGRAPHIC MAP				
	DRAWN BY LFC	DATE 10/2020	JOB NUMBER 2020-0636.20		
	CHECKED BY BMM				
STREET MAP HTTP://GOTO.ARCGISONLINE.COM/MAPS/WORLD_STREET_MAP					FIGURE 1



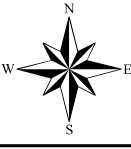
	PROJECT NAME 277 HIGHWAY 64 LOUISBURG, MISSOURI			GENERAL NOTES/LEGEND AERIAL PHOTOGRAPH OBTAINED FROM ARCGIS ONLINE, WORLD IMAGERY.	
	SITE /SURROUNDING PROPERTIES MAP				
	DRAWN BY LFC	DATE 10/2020	JOB NUMBER 2020-0636.20	DIMENSIONS AND LOCATIONS ARE APPROXIMATE; ACTUAL MAY VARY. DRAWING SHALL NOT BE USED OUTSIDE THE CONTEXT OF THE REPORT FOR WHICH IT WAS GENERATED.	FIGURE 2
	CHECKED BY BMM				

FIGURE
2

APPENDIX A



Photo 1. View of the subject site, facing north.



Photo 2. Additional view of the subject site, facing north.



Photo 3. View of the on-site structure, facing southeast.



Photo 4. View to the north from the subject site.



Photo 5. View to the northeast from the subject site.



Photo 6. View of east adjacent property, facing northeast.



Photo 7. View to the south from the subject site.



Photo 8. Additional view to the south from the subject site.



Photo 9. View of the west adjacent property, facing northwest.



Photo 10. View of the office space on site.



Photo 11. Additional view of the office space on site.



Photo 12. View of paint workshop storage area on site.



Photo 13. Additional view of the paint workshop storage area on site.



Photo 14. View of automated tool box on site.



Photo 15. View of paint equipment room.



Photo 16. View of paint equipment.



Photo 17. Additional view of paint equipment.



Photo 18. Additional view of paint equipment.



Photo 19. Additional view of paint equipment.



Photo 20. View of paint staining on the floor of paint equipment room.



Photo 21. View of a 55-gallon drum of acrylic and 5-gallon buckets of paint.



Photo 22. View of 55-gallon drum of linseed oil.



Photo 23. View of empty air float tank.



Photo 24. View of empty cardboard drum with heater and free oil on top.



Photo 25. View of small gas cans on site.



Photo 26. View of a bag of Cellosize (thickening agent) on time of one-gallon cans of paint.



Photo 27. View of minor floor staining.



Photo 28. View of bathroom.

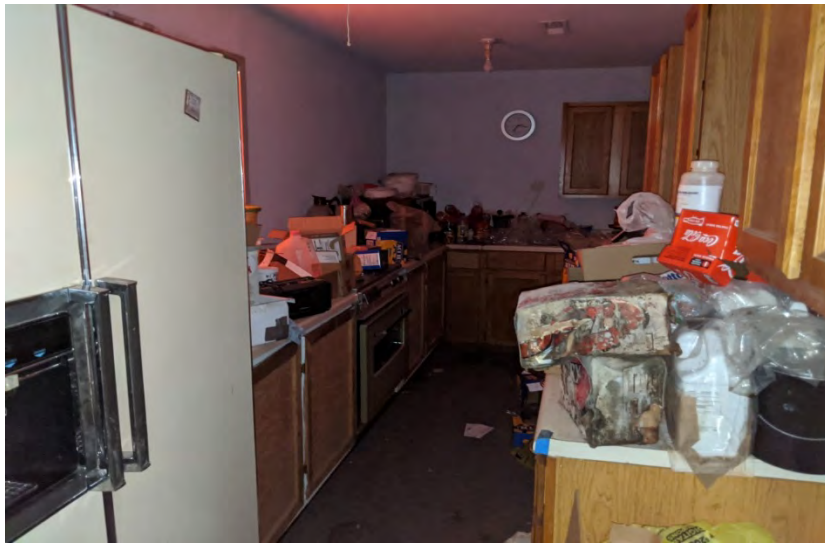


Photo 29. View of kitchen.

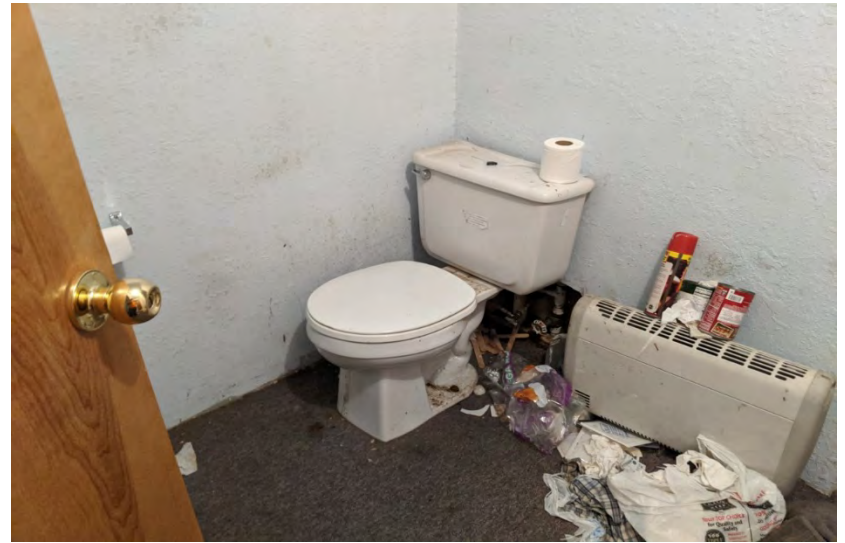


Photo 30. View of second bathroom.



Photo 31. Additional view of the second bathroom.



Photo 32. General view of the storage addition.



Photo 33. Additional view of the storage area.



Photo 34. View of linseed oil spill in the storage area.



Photo 35. View of miscellaneous tools and maintenance materials.



Photo 36. View of empty 55-gallon drums behind the on-site building.



Photo 37. View of pole-mounted transformer in the vicinity of the subject site.

APPENDIX B



SCI ENGINEERING, INC.

EARTH • SCIENCE • SOLUTIONS

GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

September 8, 2020

RE: Environmental Assessment Questionnaire
Property at 277 Highway 64
Louisburg, Missouri
SCI No. 2020-0636.20, Task 001

To Whom It May Concern:

Please complete the following questionnaire to the best of your knowledge regarding the above-referenced site. The questionnaire is being provided to obtain information needed to complete an environmental assessment being performed at the above-reference location. Please attach copies of any documents or additional pages as needed. Completion of this questionnaire is necessary to finalize our environmental assessment, which is in turn necessary for the impending property transfer (if applicable). Therefore, it is necessary that this form be completed and returned to me as soon as possible. Your cooperation is greatly appreciated.

1. If you are the owner or partial owner, how long have you owned the subject site? If you are not the property owner, please indicate who is and provide contact information including telephone number and email address.

Revocable Trust of Lester A Wienert, dtd 06/16/2008

Contact: Co-Trustee Robert J Wienert, 471-572-3210 or 3206, rjwienert@centurytel.net

2. If you are a partial owner, please indicate the names of the other owners.
Co-Trustee Karen J Grimes

3. If you are the owner or partial owner, please indicate the legal ownership name as presented on the property deed.

*Lester A. Wienert, Trustee of the Wienert Family Trust
Dated 6/16/2008*

4. If you are the owner or partial owner, **from whom did you acquire the property?**

Lester A Wienert, by Warranty Deed, dtd 06/16/2008, place this property in his Trust, and the Trust assumed responsibility for the property upon the death of Lester A Wienert on 02/02/17.

5. Provide contact information for the previous property owner, including telephone number and email address.

Lester A Wienert, decedent on 02/02/17.

6. Please include a statement that describes the current and/or past (if known) use of the site or any structures located on the site.
Decedent purchased the property on 06/02/1999 from Republic Equipment, Inc (defunct MO Corporation) by Corporation Warranty Deed.
7. How long has the current structure been on-site?
Unknown, but construction of structure is known only to have existed prior to the purchase.
8. How is/was the structure heated and describe its water/sewage system (e.g. well/septic tank)?
Bob to answer
9. Are there any wells or cisterns located on the subject site? If so, please detail below.
Bob to answer, but believed to be NO.
10. Have there ever been any structures on the site which are no longer present? If so, please detail below.
Unknown.
11. If the site has a structure or structures, are you aware of any sampling or remediation relative to mold that has previously been performed?
None.
12. Are you aware of any current or former water distribution systems on site? If so, are you aware of it containing any asbestos containing materials?
None.
13. Please indicate the fire department/district servicing your property.
Bob to answer.
14. Please indicate the electric utility/cooperative utility servicing your property.
Bob to answer.
15. Are any other environmental site assessments currently being performed or have previously been performed for this property? If so, please detail below.
None.
16. Have any reports regarding hydrogeologic or geotechnical conditions (soil borings, foundation studies, water movement, etc.) on the property been performed? If so, please detail below.
None.

17. Have any environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, land disturbance permits) been issued or requested? If so, please detail below.
Bob to answer, but not aware of any.
18. If a permit has been obtained for the site, who will be responsible for maintaining it after the transaction is complete?
No.
19. Are there any hazardous waste generator notices or reports? If so, please detail below.
None.
20. Are there any notices or other correspondence from any government agency relating to past or current violations or environmental laws with respect to the property or relating to environmental liens encumbering the property? If so, please detail below.
None. Bob to answer.
21. Is there any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? If so, please detail below.
None. Bob to answer.
22. Are there any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? If so, please detail below.
None. Bob to answer.
23. Are there any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? If so, please detail below.
None. Bob to answer.
24. Are there any and/or have there ever been any underground or above-ground storage tanks on the property or on adjoining properties? If so, please provide information regarding location, contents, and storage capacities. If a Spill Prevention, Control, and Countermeasure (SPCC) plan exists for the site, please provide a copy of this document for review.
None to my knowledge. Bob to answer.
25. Are you aware that any of the current or former structures on the site utilized heating oil? If so, please describe how the heating oil was stored.
None.

26. Are there currently or to the best of your knowledge 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 gallons in volume or 50 gallons in the aggregate stored on the property or at the facility? If so, please detail below. Please also provide copies of Safety Data Sheets (SDS) for chemicals currently in use on the site.
In the context of damaged or discarded - none. But spoiled pending disposal may qualify.
27. Are there currently, or to the best of your knowledge have there ever been any drums (typically 55-gallon) or sacks of chemicals (fertilizer, pesticide, etc.) located on the property or at the facility? If so, please detail below.
None.
28. Are there currently, or to the best of your knowledge, is there or has there ever been any soil, flooring drains, or walls located on the property that are stained by substances other than water or are emitting foul odors? If so, please detail below.
None. Bob to answer.
29. Is there or has there ever been a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs? If so, please detail below.
No.
30. Are there currently, or to the best of your knowledge have there ever been, any hydraulic lifts or oil/water separators located on the property? If so, during what years were they in service?
None, but knowledge prior to 06/02/1999 is unknown.
31. Are you aware of a pipeline crossing the property? If so, have you, any of your employees, or equipment ever come in contact with the pipe? If so, please detail below.
None.
32. Please indicate whether you have any reason to suspect dioxin may have been applied on site. For instance, indicate whether any form of waste oil or other compounds were used for dust control.
None.
33. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been discharged, dumped above grade, buried, disposed, and/or burned on the property? If so, please detail below.
None.

34. Missouri State Law (RSMO 260.213) requires anyone selling, conveying, or transferring property that contains construction and demolition waste or other solid waste (whether buried or not) to disclose the existence and location of the waste disposal site early in the negotiation process. Have fill materials (soil, rock, concrete rubble, garbage, yard waste, etc.) been placed on the property? (If this is affirmative, you will be contacted by an SCI representative to ascertain the source, location, and depth of this material.)
None.
35. Have fill materials (soil, rock, concrete, rubble, garbage, yard waste, etc.) been moved from one portion of the property to another?
No.
36. Are there currently, or to the best of your knowledge have there ever been, any burn pits located on the property?
None.
37. Please describe the locations and anticipated depths of current/former farm dumps. Farm dumps include areas where household garbage/refuse were placed as well as any demolition debris, farming implements, scrap lumber/metal, etc.
N/A
38. Are there currently, or to the best of your knowledge have there ever been, any sink holes located on the property? If yes, please describe.
None.

Completed By (Please Print): _____

Signature and Title: _____

Date: _____ Phone: _____

Email: _____

Respectfully,

SCI ENGINEERING, INC.



Britta M. Moyer, E.I.
Staff Engineer

BMM/hmm



SCI ENGINEERING, INC.

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September 8, 2020

RE: Environmental Assessment Questionnaire
Property at 277 Highway 64
Louisburg, Missouri
SCI No. 2020-0636.20, Task 001

To Whom It May Concern:

Please complete the following questionnaire to the best of your knowledge regarding the above-referenced site. The questionnaire is being provided to obtain information needed to complete an environmental assessment being performed at the above-reference location. Please attach copies of any documents or additional pages as needed. Completion of this questionnaire is necessary to finalize our environmental assessment, which is in turn necessary for the impending property transfer (if applicable). Therefore, it is necessary that this form be completed and returned to me as soon as possible. Your cooperation is greatly appreciated.

1. If you are the owner or partial owner, how long have you owned the subject site? If you are not the property owner, please indicate who is and provide contact information including telephone number and email address. *Wienert Mfg. Co. (Lester Wienert Trust)*
2. If you are a partial owner, please indicate the names of the other owners. *Trustees: Karen Grimes, Tim Powell, Robert Wienert*
3. If you are the owner or partial owner, please indicate the legal ownership name as presented on the property deed. *Wienert Mfg Co.*
4. If you are the owner or partial owner, **from whom did you acquire the property?** *Charles Knowles Springfield ?
Forest Dorman ?*
5. Provide contact information for the previous property owner, including telephone number and email address.

6. Please include a statement that describes the current and/or past (if known) use of the site or any structures located on the site.

Currently used to sell paint + paint equipment

7. How long has the current structure been on-site?

since 1916 or 17

8. How is/was the structure heated and describe its water/sewage system (e.g. well/septic tank)?

*Electric heat + power - Water supply is from village water
Sewage system is thru a septic tank*

9. Are there any wells or cisterns located on the subject site? If so, please detail below.

No

10. Have there ever been any structures on the site which are no longer present? If so, please detail below.

Unknown before 1916 or 1917

11. If the site has a structure or structures, are you aware of any sampling or remediation relative to mold that has previously been performed?

No

12. Are you aware of any current or former water distribution systems on site? If so, are you aware of it containing any asbestos containing materials?

No

13. Please indicate the fire department/district servicing your property.

Louisburg Volunteer Fire Dept.

14. Please indicate the electric utility/cooperative utility servicing your property.

Liberty Utilities - Empire District

15. Are any other environmental site assessments currently being performed or have previously been performed for this property? If so, please detail below.

No

16. Have any reports regarding hydrogeologic or geotechnical conditions (soil borings, foundation studies, water movement, etc.) on the property been performed? If so, please detail below.

No

17. Have any environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, land disturbance permits) been issued or requested? If so, please detail below.

No

18. If a permit has been obtained for the site, who will be responsible for maintaining it after the transaction is complete?

NA

19. Are there any hazardous waste generator notices or reports? If so, please detail below.

No

20. Are there any notices or other correspondence from any government agency relating to past or current violations or environmental laws with respect to the property or relating to environmental liens encumbering the property? If so, please detail below.

No

21. Is there any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? If so, please detail below.

No

22. Are there any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? If so, please detail below.

No

23. Are there any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? If so, please detail below.

No

24. Are there any and/or have there ever been any underground or above-ground storage tanks on the property or on adjoining properties? If so, please provide information regarding location, contents, and storage capacities. If a Spill Prevention, Control, and Countermeasure (SPCC) plan exists for the site, please provide a copy of this document for review.

No

25. Are you aware that any of the current or former structures on the site utilized heating oil? If so, please describe how the heating oil was stored.

No

26. Are there currently or to the best of your knowledge 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 gallons in volume or 50 gallons in the aggregate stored on the property or at the facility? If so, please detail below. Please also provide copies of Safety Data Sheets (SDS) for chemicals currently in use on the site.

Sell paints

27. Are there currently, or to the best of your knowledge have there ever been any drums (typically 55-gallon) or sacks of chemicals (fertilizer, pesticide, etc.) located on the property or at the facility? If so, please detail below.

Drums of Linseed Oil

28. Are there currently, or to the best of your knowledge, is there or has there ever been any soil, flooring drains, or walls located on the property that are stained by substances other than water or are emitting foul odors? If so, please detail below.

No

29. Is there or has there ever been a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs? If so, please detail below.

No

30. Are there currently, or to the best of your knowledge have there ever been, any hydraulic lifts or oil/water separators located on the property? If so, during what years were they in service?

No

31. Are you aware of a pipeline crossing the property? If so, have you, any of your employees, or equipment ever come in contact with the pipe? If so, please detail below.

No (Water supply line)

32. Please indicate whether you have any reason to suspect dioxin may have been applied on site. For instance, indicate whether any form of waste oil or other compounds were used for dust control.

No

33. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been discharged, dumped above grade, buried, disposed, and/or burned on the property? If so, please detail below.

No

34. Missouri State Law (RSMO 260.213) requires anyone selling, conveying, or transferring property that contains construction and demolition waste or other solid waste (whether buried or not) to disclose the existence and location of the waste disposal site early in the negotiation process. Have fill materials (soil, rock, concrete rubble, garbage, yard waste, etc.) been placed on the property? (If this is affirmative, you will be contacted by an SCI representative to ascertain the source, location, and depth of this material.)

No

35. Have fill materials (soil, rock, concrete, rubble, garbage, yard waste, etc.) been moved from one portion of the property to another?

No

36. Are there currently, or to the best of your knowledge have there ever been, any burn pits located on the property?

No

37. Please describe the locations and anticipated depths of current/former farm dumps. Farm dumps include areas where household garbage/refuse were placed as well as any demolition debris, farming implements, scrap lumber/metal, etc.

NA

38. Are there currently, or to the best of your knowledge have there ever been, any sink holes located on the property? If yes, please describe.

No

Completed By (Please Print): Robert J. Wiener

Signature and Title: Robert J. Wiener Chemical Engr.

Date: Sept 10, 2020 Phone: 417-752-3210

Email: rjwiener@centurytel.net

Respectfully,

SCI ENGINEERING, INC.

Britta Moyer

Britta M. Moyer, E.I.
Staff Engineer

BMM/hmm



SCI ENGINEERING, INC.

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September 1, 2020

Ms. Lindsey E. Weinberg, Attorney at Law
The Laiderman Law Firm, P.C.
1067 N. Mason Road, Ste. 3
St. Louis, Missouri 63141

RE: Assessment User Questionnaire
277 Highway 64
Louisburg, Missouri
SCI No. 2020-0636.20, Task 001

Dear Ms. Weinberg:

Please complete the following questionnaire to the best of your knowledge regarding the above-referenced site. The questionnaire is being provided to obtain information needed to complete an environmental assessment being performed at the above-referenced location. Please attach copies of any documents or additional pages as needed. Completion of this questionnaire is necessary to finalize our environmental assessment, which is in turn necessary for the impending property transfer (if applicable). Therefore, it is necessary that this form be completed and returned to me as soon as possible. Your cooperation is greatly appreciated.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments") the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

1. Why is the Phase One required and/or which of the following Landowner Liability Protections do you seek?

Circle one: Innocent landowner¹, contiguous property owner², bona fide prospective purchaser³, or other (if other, please explain).

¹ Innocent landowner – a person may qualify as one of three types of innocent landowners (i) a person who "did not know and had no reason to know" that contamination existed on the *property* at the time the purchaser acquired the *property*; (ii) a government entity which acquired the *property* by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the first type of innocent landowner LLP, such person must have made *all appropriate inquiry* on or before the date of purchase. Furthermore, the *all appropriate inquiry* must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the *innocent landowner defense*.

² Contiguous property owner – a person may qualify if such person owns real *property* that is contiguous to, and that is or may be contaminated by *hazardous substances* from other real *property* and did not know or have reason to know that the *property* was or could be contaminated by a release or threatened release from the contiguous *property*. The *all appropriate inquiry* must not result in knowledge of contamination.

³ Bona fide prospective purchaser – a person may qualify if such person made "all appropriate inquiries" into the previous ownership and use of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from *all appropriate inquiry* would not generally preclude this liability protection. (The Bona Fide Prospective Purchaser LLP indicates that you may have knowledge of environmental impacts on the property.)

2. Based on your review of the title, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

No

3. Are you aware of any activity and use limitations (AULs) such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

No

4. As the user of this environmental site assessment (ESA) 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, (sold paint)

5. 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, Appraisal is too high for Louisville)

6. 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, as user,

- a. Do you know the past use of the property?

At least two grocery, consignment auction houses,
car repair garage, feed store?

- b. Do you know of any specific chemicals that are present or once were present at the property?

No

- c. Do you know of spills or other chemical releases that have taken place at the property?

No

- d. Do you know of any environmental cleanups that have taken place at the property?

No

7. As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence, or likely presence, of contamination at the property?

No

8. Do you have any other knowledge of experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the property and its environmental condition)?

No

Completed By: Robert J. Wiener

Company Name: Wiener Mfg. Co. Trust

Title: Trustee

Date: 9/15/20

Phone: 417-752-3210

Email: rjwiener@centurytel.net

Respectfully,

SCI ENGINEERING, INC.

Britta Moyer

Britta M. Moyer, E.I.
Staff Engineer

BMM/hmm



SCI ENGINEERING, INC.

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September 1, 2020

Ms. Lindsey E. Weinberg, Attorney at Law
The Laiderman Law Firm, P.C.
1067 N. Mason Road, Ste. 3
St. Louis, Missouri 63141

RE: Assessment User Questionnaire
277 Highway 64
Louisburg, Missouri
SCI No. 2020-0636.20, Task 001

Dear Ms. Weinberg:

Please complete the following questionnaire to the best of your knowledge regarding the above-referenced site. The questionnaire is being provided to obtain information needed to complete an environmental assessment being performed at the above-referenced location. Please attach copies of any documents or additional pages as needed. Completion of this questionnaire is necessary to finalize our environmental assessment, which is in turn necessary for the impending property transfer (if applicable). Therefore, it is necessary that this form be completed and returned to me as soon as possible. Your cooperation is greatly appreciated.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments") the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

1. Why is the Phase One required and/or which of the following Landowner Liability Protections do you seek? Circle one: Innocent landowner¹, contiguous property owner², bona fide prospective purchaser³, or other (if other, please explain). *Innocent Landowner - Under iii, the Trust acquired ownership of this property which was purchased by the decedent and the maker or the Trust. Of course, Bob being an owner/operator of the business conducted at the property, there may be a technicality since he should know or have reason to know during his period of operations, both solo and with the decedent. It may be that due to Bob's ownership, Other may qualify.*

¹ Innocent landowner – a person may qualify as one of three types of innocent landowners (i) a person who "did not know and had no reason to know" that contamination existed on the *property* at the time the purchaser acquired the *property*; (ii) a government entity which acquired the *property* by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the first type of innocent landowner LLP, such person must have made *all appropriate inquiry* on or before the date of purchase. Furthermore, the *all appropriate inquiry* must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the *innocent landowner defense*.

² Contiguous property owner – a person may qualify if such person owns real *property* that is contiguous to, and that is or may be contaminated by *hazardous substances* from other real *property* and did not know or have reason to know that the *property* was or could be contaminated by a release or threatened release from the contiguous *property*. The *all appropriate inquiry* must not result in knowledge of contamination.

³ Bona fide prospective purchaser – a person may qualify if such person made "all appropriate inquiries" into the previous ownership and use of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from *all appropriate inquiry* would not generally preclude this liability protection. (The Bona Fide Prospective Purchaser LLP indicates that you may have knowledge of environmental impacts on the property.)

2. Based on your review of the title, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? NONE

3. Are you aware of any activity and use limitations (AULs) such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? NONE

4. As the user of this environmental site assessment (ESA) 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?
Think Bob should declare his background in formulation of paint.

5. 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? Since this survey actually precedes a sale/auction, the only purchase price in play is the \$41K the decedent paid for the property or the Appraisal that was performed to determine Trust Valuation , also \$41K. No price at this time is associated with any contamination issue.

6. 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, as user,
 - a. Do you know the past use of the property? No knowledge of past used prior the the decedent's purchase.
The decedent conducted a paint re-sale business which involved the mixing of tints into base to make paint.
 - b. Do you know of any specific chemicals that are present or once were present at the property?
Only Bob would know this.
 - c. Do you know of spills or other chemical releases that have taken place at the property?
None to my knowledge, but only Bob would know.
 - d. Do you know of any environmental cleanups that have taken place at the property?
None - the decedent never disclosed or informed of any environmental cleanup,

7. As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence, or likely presence, of contamination at the property?
Mixing of tint to paint base is a fairly simple process that would not generally involve spillage or contamination.

8. Do you have any other knowledge of experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the property and its environmental condition)?

NONE

Completed By: _____

Company Name: _____

Title: _____

Date: _____

Phone: _____

Email: _____

Respectfully,

SCI ENGINEERING, INC.



Britta M. Moyer, E.I.
Staff Engineer

BMM/hmm

APPENDIX C



SCI ENGINEERING, INC.

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September 1, 2020

Louisburg Volunteer Fire Department
PO Box 24
Louisburg, Missouri 65685

RE: Information Request
277 Highway 64
Louisburg, Missouri
SCI No. 2020-0636.20, Task 001

To Whom It May Concern:

SCI Engineering, Inc. is currently conducting an environmental investigation on the above-referenced property and would appreciate any information you could provide regarding chemical spills, hazardous materials incidents, or releases of petroleum products on the subject site and/or adjoining properties.

If you have any questions or require further clarification, please do not hesitate to contact me.

I can be reached at 636-757-1042 or bmoyer@sciengineering.com.

Respectfully,

SCI ENGINEERING, INC.

A handwritten signature in black ink that reads 'Britta Moyer'.

Britta M. Moyer, E.I.
Staff Engineer

BMM/hmm

N:\Projects\2020\2020-0636 277 Highway 64\20\277 Highway 64 - Fire Letter.docx

APPENDIX D

277 Highway 64

277 Highway 64

Louisburg, MO 65685

Inquiry Number: 6175999.8

September 03, 2020

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

09/03/20

Site Name:

277 Highway 64
277 Highway 64
Louisburg, MO 65685
EDR Inquiry # 6175999.8

Client Name:

SCI Engineering, Inc.
130 Point West Blvd
St. Charles, MO 63301
Contact: Heather Martin



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
1996	1"=500'	Acquisition Date: April 01, 1996	USGS/DOQQ
1990	1"=750'	Flight Date: February 17, 1990	USGS
1986	1"=1000'	Flight Date: March 06, 1986	USGS
1983	1"=1000'	Flight Date: March 01, 1983	USGS
1948	1"=1000'	Flight Date: April 02, 1948	USGS

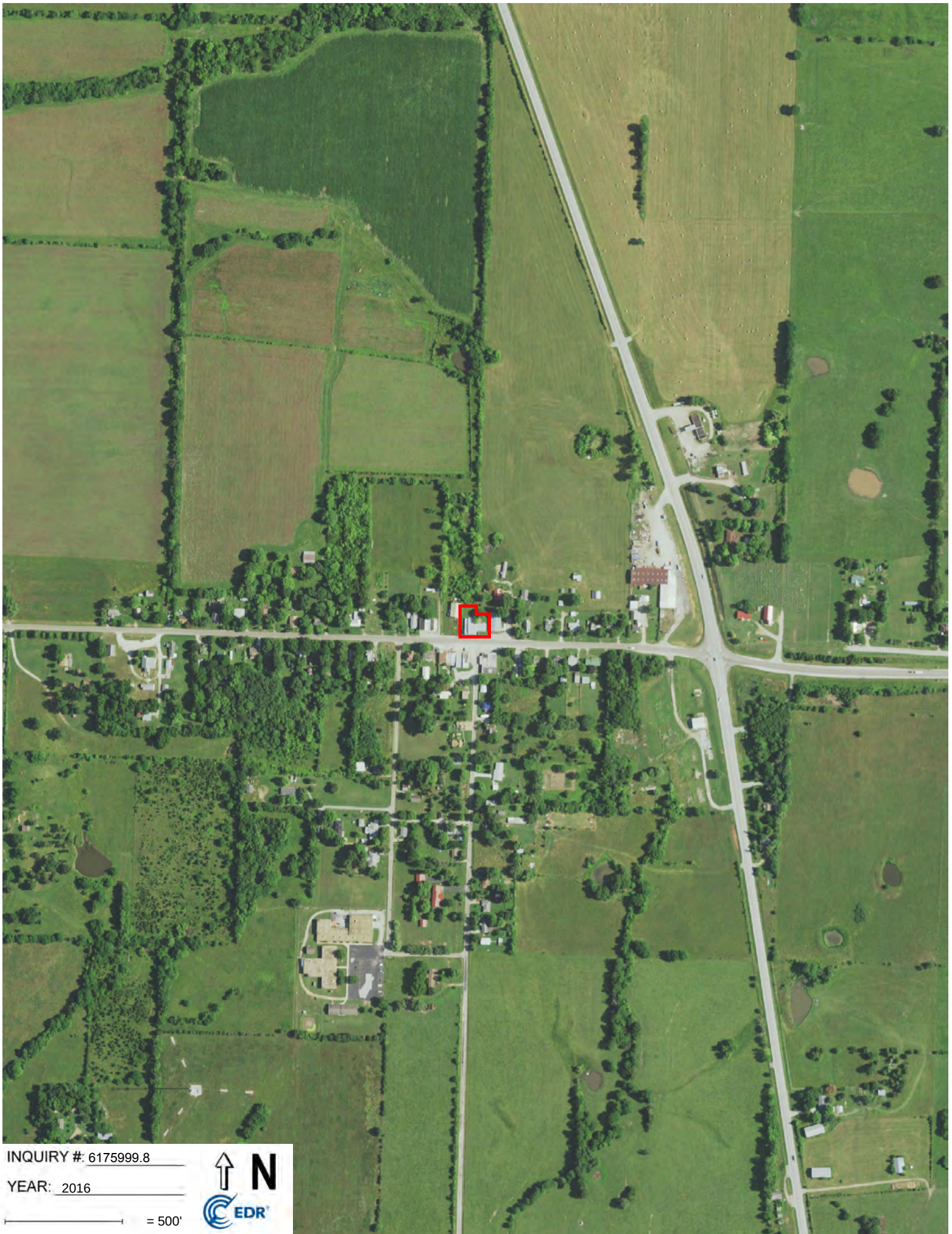
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INQUIRY #: 6175999.8

YEAR: 2016

— = 500'



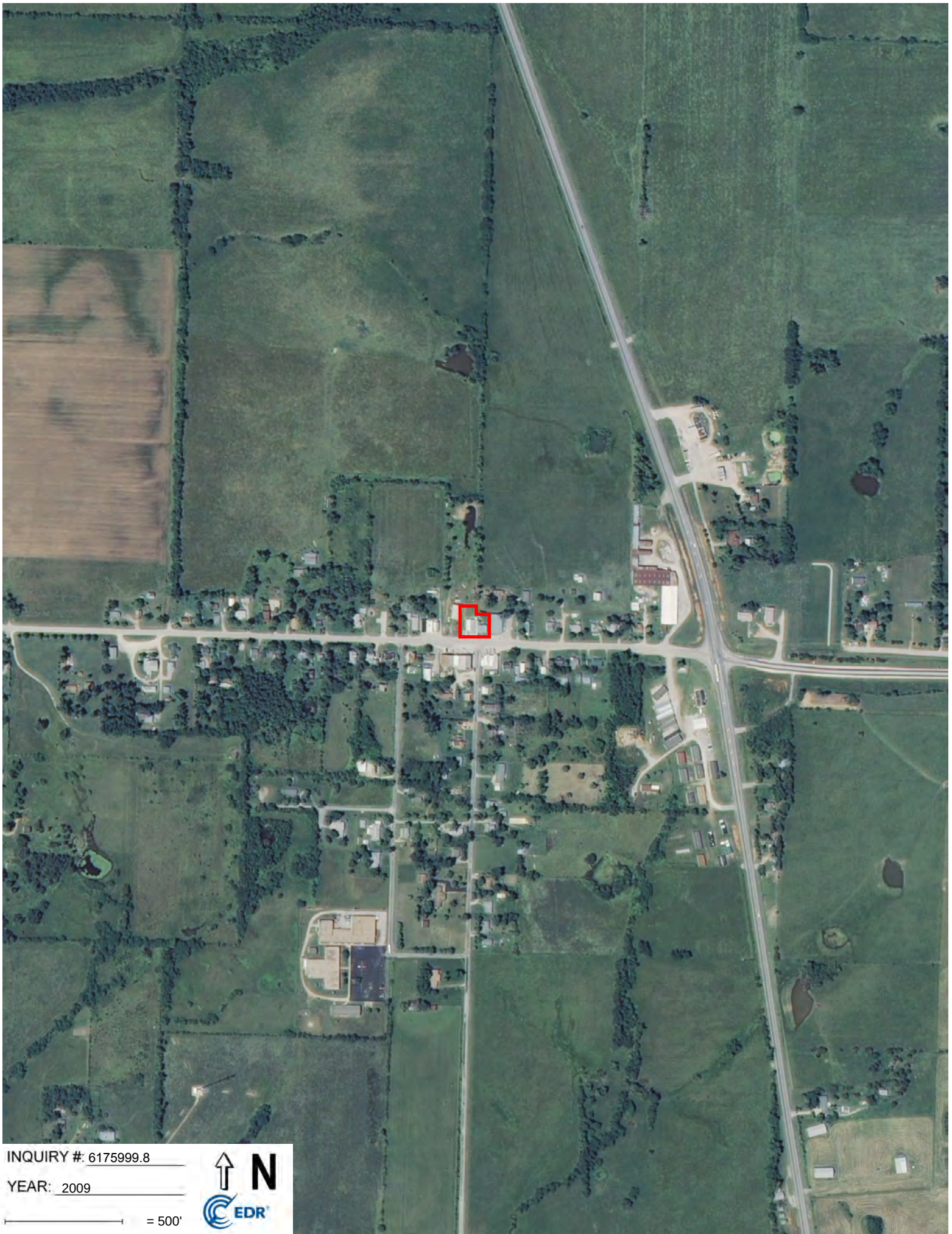


INQUIRY #: 6175999.8

YEAR: 2012

— = 500'





INQUIRY #: 6175999.8

YEAR: 2009

— = 500'





INQUIRY #: 6175999.8

YEAR: 2006

— = 500'





INQUIRY #: 6175999.8

YEAR: 1996

— = 500'





INQUIRY #: 6175999.8

YEAR: 1990

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.





INQUIRY #: 6175999.8

YEAR: 1983

— = 1000'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6175999.8

YEAR: 1948

↑ N

CEDR

— = 1000'

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

APPENDIX E

277 Highway 64

277 Highway 64
Louisburg, MO 65685

Inquiry Number: 6175999.5
September 03, 2020

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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Data by

infoUSA[®]

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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	☒	☐	EDR Digital Archive
2014	☒	☒	EDR Digital Archive
2010	☒	☒	EDR Digital Archive
2005	☒	☒	EDR Digital Archive
2000	☐	☐	EDR Digital Archive
1995	☐	☐	EDR Digital Archive
1992	☐	☐	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

277 Highway 64
Louisburg, MO 65685

Year

CD Image

Source

STATE HIGHWAY 64

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

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

NORTH ST

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

City Directory Images

STATE HIGHWAY 64 2017

257	BANISTER, MARY A
258	ROARK, VELMA L
260	BEDARD, ARNOLD G
264	ACREE, DARRELL W
270	BANDEL, LOGAN
274	UNITED STATES GOVERNMENT
277	WIENERT MFG CO
	WIENERT, LESTER A
278	WILLIAMS BROS
282	LOUISBURG COMMUNITY FIRE ASSOC
283	KUECK, WILLIAM E
	VILLAGE OF LOUISBURG CLERK
284	PHELPS, CHRISTOPHER A
287	PETERSON, TERESA
288	ROLLINS, MATTHEW A
289	DUGAN, SHELLY L
290	JONES, ARCHIE L
291	NEWMAN, DEAN
293	BANDEL, DENNIS E

NORTH ST 2014

5	WOMACK, PATTIE
6	NELSON, ROY R
9	OCCUPANT UNKNOWN,

STATE HIGHWAY 64 2014

254	WOOD, JACK E
256	MORRIS, ANNIE
258	ROARK, VELMA L
263	OCCUPANT UNKNOWN,
264	ACREE, DARRELL W
267	HARRISON, MAMIE
268	LEE, SARA
270	BANDEL, KATHY A
274	UNITED STATES GOVERNMENT
277	WIENERT MFG CO
	WIENERT, LESTER A
278	WILLIAMS BROS
282	LOUISBURG COMMUNITY FIRE ASSOC
283	BOLLER, DENISE J
	LOUISBURG VILLAGE OF CLERK
284	OCCUPANT UNKNOWN,
286	YOUNG, EARL W
288	PIPPEN, PRESTON
289	DUGAN, BARBARA S
290	JONES, ARCHIE L
291	LOVE, DEANA
293	BANDEL, DENNIS E

NORTH ST 2010

5	WOMACK, PATTIE
6	NELSON, ROY R

STATE HIGHWAY 64 2010

254	WOOD, JAMES
256	OCCUPANT UNKNOWN,
258	ROARK, VELMA L
263	SEYMOUR, LELAND R
264	ACREE, DARRELL W
267	HARRISON, MAMIE
268	SPIDHAM, CHRIS
270	RODELANDER, AMANDA S
274	US POST OFFICE
283	BOLLER, RICHARD N
284	CONTRATTO, BRETT
286	YOUNG, EARL
287	OCCUPANT UNKNOWN,
288	HUFFMAN, ASHLEY N
289	DUGAN, BARBARA S
290	JONES, ARCHIE L
293	BANDEL, DENNIS E

NORTH ST 2005

5 MCDAIRMANT, SETH
6 NELSON, ROY R

STATE HIGHWAY 64 2005

255	OCCUPANT UNKNOWN,
258	ROARK, VELMA L
263	OCCUPANT UNKNOWN,
266	FORD, KENNETH
267	GOODALE, SHERRY
268	SPIDHAM, C
270	DYCUS, MAROLYN A
274	LOUISBURG POSTAL SERVICE
286	YOUNG, CLARA B
288	TOLLIVER, TIMOTHY C
289	DUGAN, BARBARA S
290	JONES, ARCHIE L
293	OCCUPANT UNKNOWN,

APPENDIX F



277 Highway 64

277 Highway 64

Louisburg, MO 65685

Inquiry Number: 6175999.4

September 01, 2020

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

09/01/20

Site Name:

277 Highway 64
277 Highway 64
Louisburg, MO 65685
EDR Inquiry # 6175999.4

Client Name:

SCI Engineering, Inc.
130 Point West Blvd
St. Charles, MO 63301
Contact: Heather Martin



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by SCI Engineering, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. 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.# 2020-0636.20, Task 001
Project: 277 Highway 64

Latitude: 37.758128 37° 45' 29" North
Longitude: -93.139635 -93° 8' 23" West
UTM Zone: Zone 15 North
UTM X Meters: 487700.26
UTM Y Meters: 4178988.55
Elevation: 1173.00' above sea level

Maps Provided:

2015
1989
1951
1950
1892
1884

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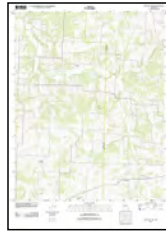
Topo Sheet Key

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

2015 Source Sheets



Urbana
2015
7.5-minute, 24000



Buffalo NW
2015
7.5-minute, 24000

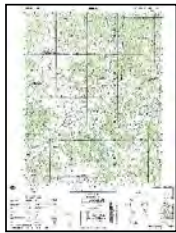


Tunas
2015
7.5-minute, 24000



Buffalo
2015
7.5-minute, 24000

1989 Source Sheets



URBANA
1989
15-minute, 50000

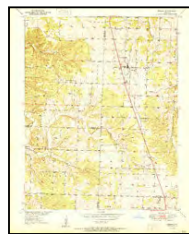


BUFFALO
1989
15-minute, 50000

1951 Source Sheets



Buffalo NW
1951
7.5-minute, 24000
Aerial Photo Revised 1938



Urbana
1951
7.5-minute, 24000
Aerial Photo Revised 1938

1950 Source Sheets



Buffalo NW
1950
7.5-minute, 24000
Aerial Photo Revised 1938



Urbana
1950
7.5-minute, 24000
Aerial Photo Revised 1938

Topo Sheet Key

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

1892 Source Sheets

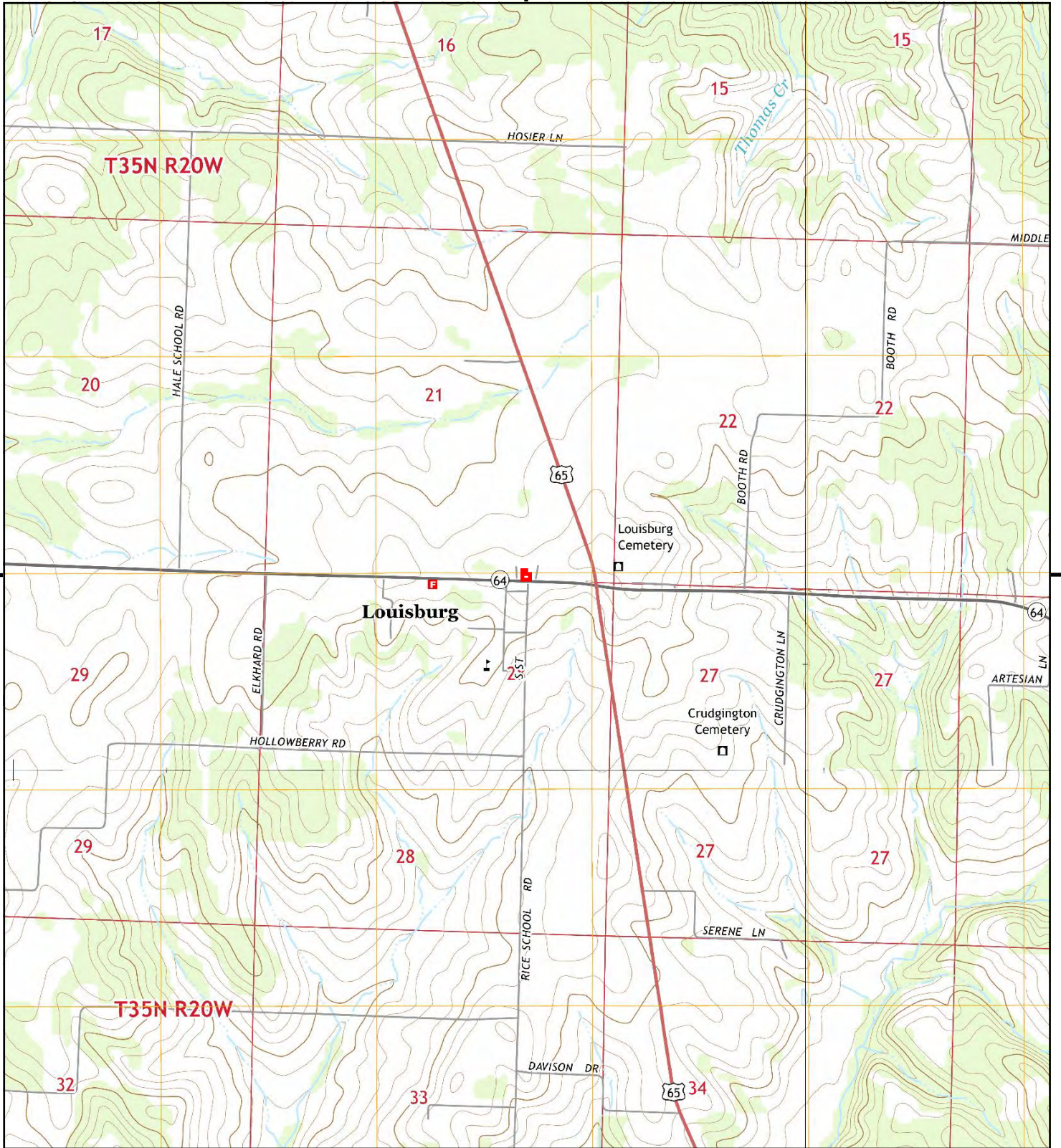


Bolivar
1892
30-minute, 125000

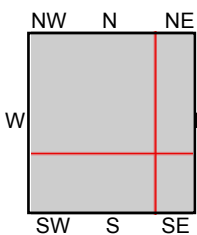
1884 Source Sheets



Bolivar
1884
30-minute, 125000



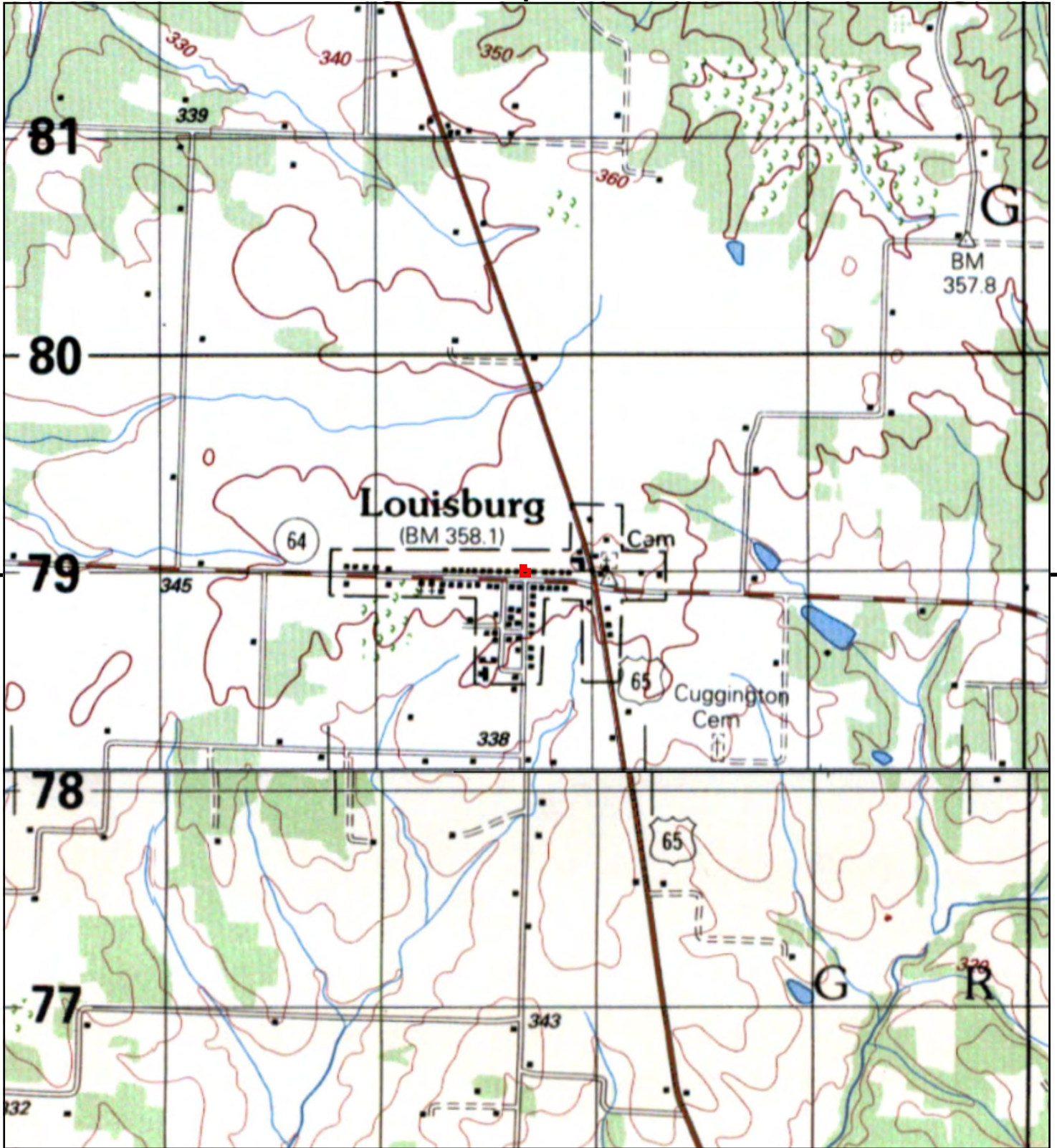
This report includes information from the following map sheet(s).



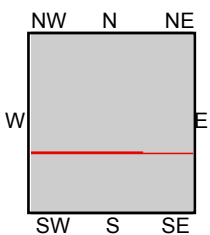
TP, Urbana, 2015, 7.5-minute
NE, Tunas, 2015, 7.5-minute
SE, Buffalo, 2015, 7.5-minute
SW, Buffalo NW, 2015, 7.5-minute

SITE NAME: 277 Highway 64
ADDRESS: 277 Highway 64
Louisburg, MO 65685
CLIENT: SCI Engineering, Inc.





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



TP, URBANA, 1989, 15-minute
S, BUFFALO, 1989, 15-minute

SITE NAME: 277 Highway 64
ADDRESS: 277 Highway 64
Louisburg, MO 65685
CLIENT: SCI Engineering, Inc.

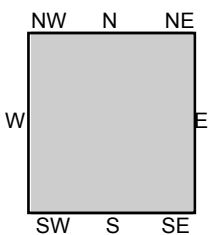








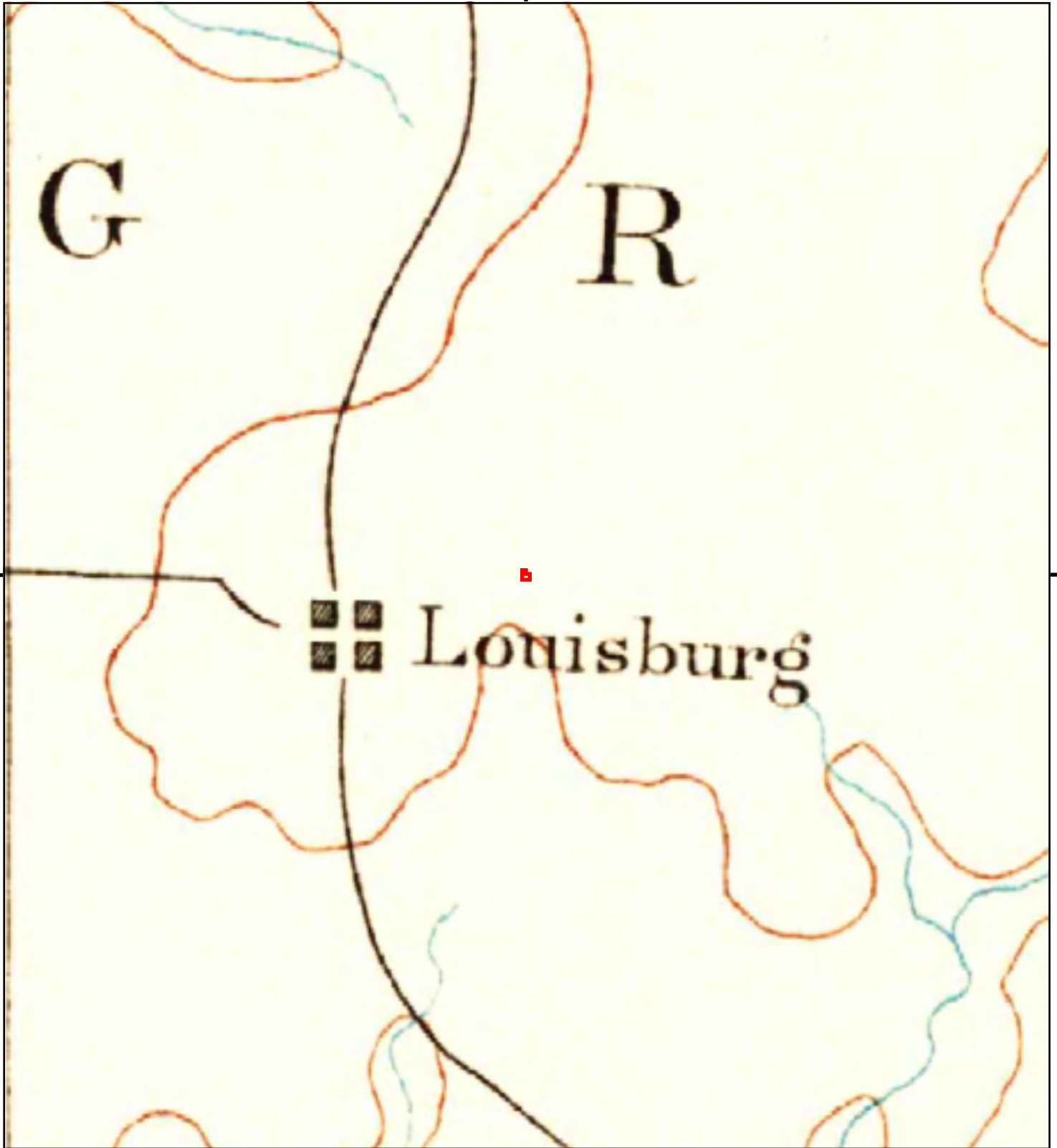
This report includes information from the following map sheet(s).



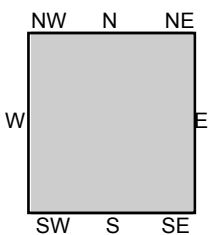
TP, Bolivar, 1892, 30-minute

SITE NAME: 277 Highway 64
 ADDRESS: 277 Highway 64
 Louisburg, MO 65685
 CLIENT: SCI Engineering, Inc.





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



TP, Bolivar, 1884, 30-minute

SITE NAME: 277 Highway 64
ADDRESS: 277 Highway 64
Louisburg, MO 65685
CLIENT: SCI Engineering, Inc.



APPENDIX G

277 Highway 64

277 Highway 64

Louisburg, MO 65685

Inquiry Number: 6175999.2s

September 01, 2020

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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Detail Map	3
Map Findings Summary	4
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Orphan Summary	9
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 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-12
Physical Setting Source Map Findings	A-14
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

A search of the environmental records was conducted by Environmental Data Resources, Inc. (EDR). SCI ENGINEERING, INC. used the EDR FieldCheck System to review and/or revise the results of this search, based on independent data verification by SCI ENGINEERING, INC.. The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

277 HIGHWAY 64
LOUISBURG, MO 65685

COORDINATES

Latitude (North):	37.7581280 - 37° 45' 29.26"
Longitude (West):	93.1396350 - 93° 8' 22.68"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	487700.0
UTM Y (Meters):	4178783.5
Elevation:	1173 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6726485 URBANA, MO
Version Date:	2015
Northeast Map:	6726483 TUNAS, MO
Version Date:	2015
Southeast Map:	6726495 BUFFALO, MO
Version Date:	2015
Southwest Map:	6726421 BUFFALO NW, MO
Version Date:	2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140703
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
277 HIGHWAY 64
LOUISBURG, MO 65685

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	COZY CORNER STORE	2468 HWY 65	AST	Higher	1185, 0.224, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
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
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

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

SWF/LF..... Permitted Facility List

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tanks

LUST..... Leaking Underground Storage Tanks

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Petroleum Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Site Listing

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields 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

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

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

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
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
FINDS..... Facility Index System/Facility Registry System
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
ECHO..... Enforcement & Compliance History Information
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... Permit Facility Listing

EXECUTIVE SUMMARY

ASBESTOS.....	Asbestos Notification Listing
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaners in Missouri Listing
Financial Assurance.....	Financial Assurance Information Listing
MINES.....	Industrial Mineral Mines Database
NPDES.....	Permitted Facility Listing
MO RRC.....	Certified Hazardous Waste Resource Recovery Facilities
SMARS.....	Site Management and Reporting System
UIC.....	Underground Injection Wells Database
MINES MRDS.....	Mineral Resources Data System

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.

STANDARD ENVIRONMENTAL RECORDS

State and tribal registered storage tank lists

AST: Aboveground Petroleum Storage.

An online review and analysis by SCI ENGINEERING, INC. of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

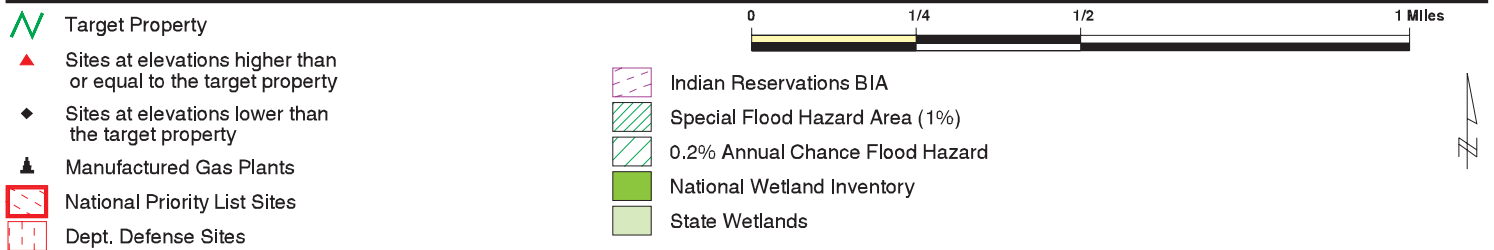
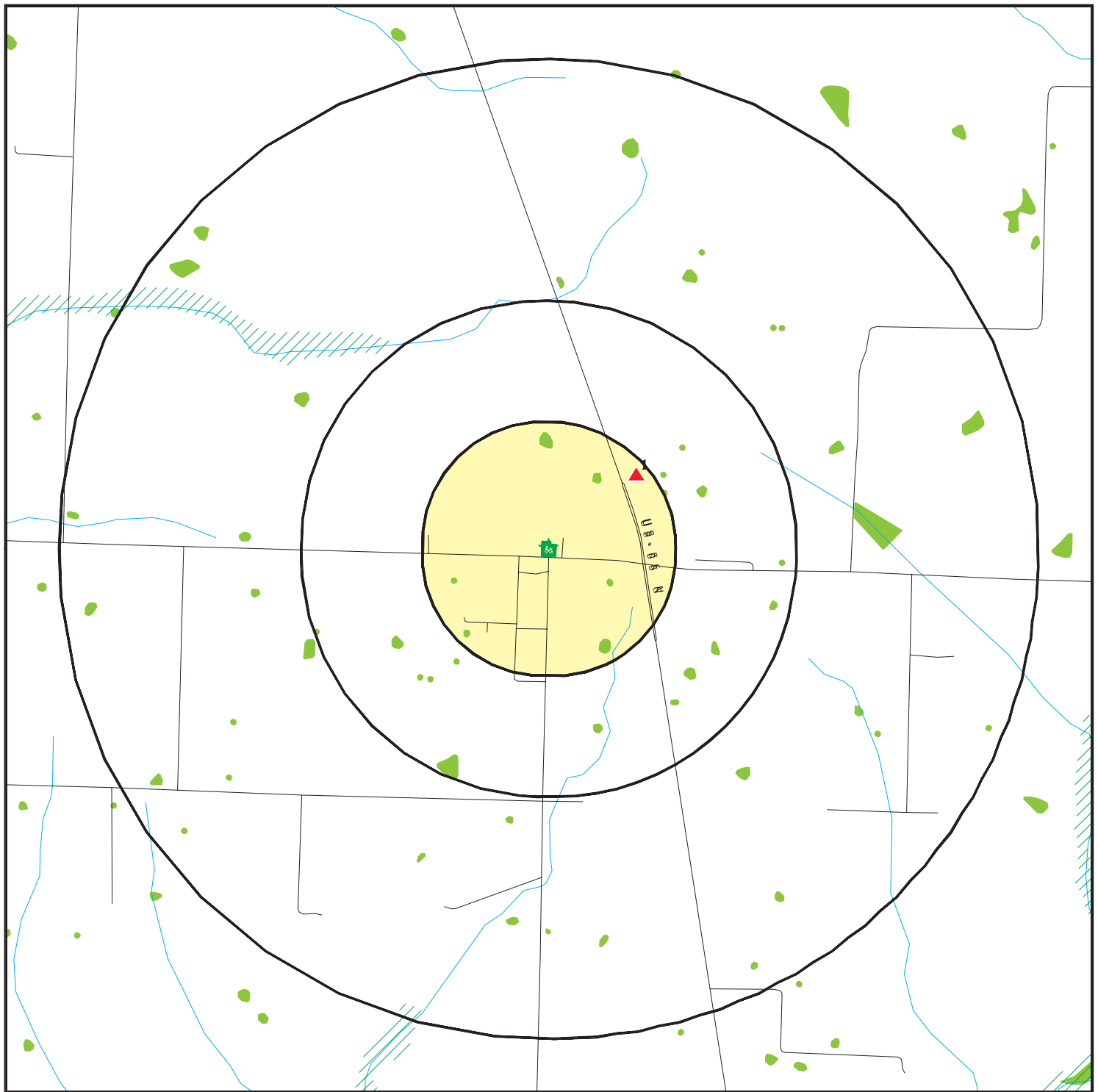
EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COZY CORNER STORE Facility Id: 5517:	2468 HWY 65	NE 1/8 - 1/4 (0.224 mi.)	1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6175999.2S

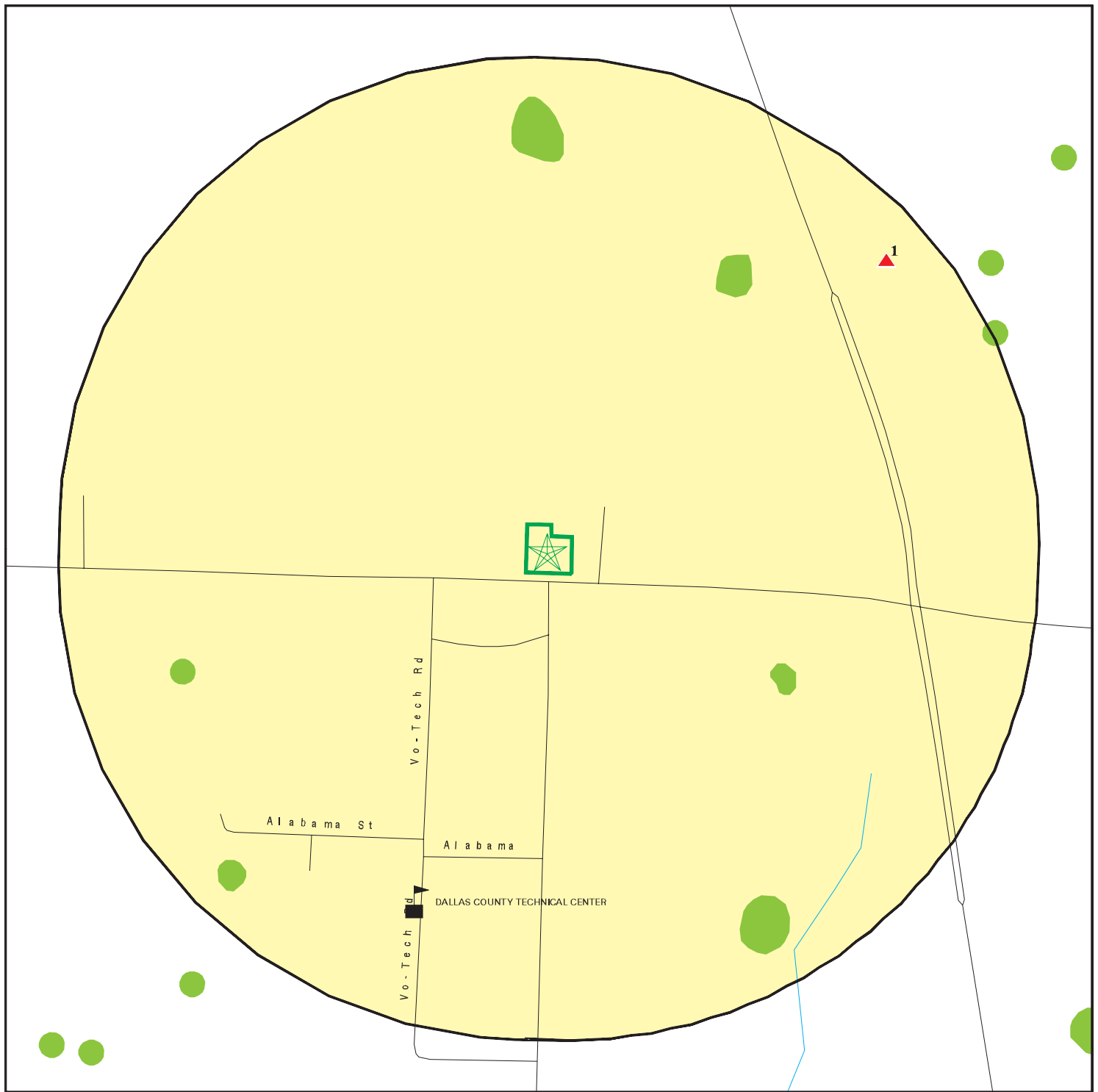


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 277 Highway 64
 ADDRESS: 277 Highway 64
 Louisburg MO 65685
 LAT/LONG: 37.758128 / 93.139635

CLIENT: SCI Engineering, Inc.
 CONTACT: Heather Martin
 INQUIRY #: 6175999.2s
 DATE: September 08, 2020 10:12 am

DETAIL MAP - 6175999.2S



-  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
-  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: 277 Highway 64
 ADDRESS: 277 Highway 64
 Louisburg MO 65685
 LAT/LONG: 37.758128 / 93.139635

CLIENT: SCI Engineering, Inc.
 CONTACT: Heather Martin
 INQUIRY #: 6175999.2s
 DATE: September 08, 2020 10:13 am

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>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-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>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	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
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
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
Local Lists of Hazardous waste / Contaminated Sites								
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
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
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
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
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

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
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		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
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		0	0	NR	NR	NR	0
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		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<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	0	1	0	0	0	1

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

1
NE
1/8-1/4
0.224 mi.
1185 ft.

COZY CORNER STORE
2468 HWY 65
LOUISBURG, MO 65685

AST **A100444742**
N/A

Relative:
Higher

AST:

Actual:
1173 ft.

Client Plot

Name: COZY CORNER STORE
Address: 2468 HWY 65
City,State,Zip: LOUISBURG, MO 65685
Facility ID: 5517
Facility Telephone Number: 417-752-3271
Products Count: Not reported
Cabinets Count: 8
Total number of meters: 0
AST Count: 4
UST Count: 0
Product Count: 87;91;2-D;
Prof Cat: STA;
Facility Status: InActive
Latitude: 37.76053
Longitude: -93.13603

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
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

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 08/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 08/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: 800-424-9346
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 08/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 913-551-7003
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 913-551-7003
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 913-551-7003
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 913-551-7003
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/23/2020
	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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/22/2020

Date Data Arrived at EDR: 03/24/2020

Date Made Active in Reports: 06/18/2020

Number of Days to Update: 86

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/22/2020

Next Scheduled EDR Contact: 10/05/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 09/24/2019

Date Data Arrived at EDR: 09/27/2019

Date Made Active in Reports: 11/08/2019

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: 573-751-1990

Last EDR Contact: 06/04/2020

Next Scheduled EDR Contact: 09/21/2020

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: 06/30/2019

Date Data Arrived at EDR: 03/05/2020

Date Made Active in Reports: 05/22/2020

Number of Days to Update: 78

Source: Department of Natural Resources

Telephone: 573-751-3176

Last EDR Contact: 08/28/2020

Next Scheduled EDR Contact: 12/07/2020

Data Release Frequency: Annually

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

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: 09/10/2019

Date Data Arrived at EDR: 09/12/2019

Date Made Active in Reports: 11/11/2019

Number of Days to Update: 60

Source: Department of Natural Resources

Telephone: 573-751-5401

Last EDR Contact: 08/10/2020

Next Scheduled EDR Contact: 11/23/2020

Data Release Frequency: Varies

State and tribal leaking storage tank lists

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: 06/02/2020

Date Data Arrived at EDR: 06/09/2020

Date Made Active in Reports: 08/21/2020

Number of Days to Update: 73

Source: Department of Natural Resources

Telephone: 573-751-0135

Last EDR Contact: 06/09/2020

Next Scheduled EDR Contact: 09/21/2020

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: 06/02/2020

Date Data Arrived at EDR: 06/09/2020

Date Made Active in Reports: 08/21/2020

Number of Days to Update: 73

Source: Department of Natural Resources

Telephone: 573-751-6822

Last EDR Contact: 06/09/2020

Next Scheduled EDR Contact: 09/21/2020

Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020

Date Data Arrived at EDR: 05/20/2020

Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA Region 10

Telephone: 206-553-2857

Last EDR Contact: 07/24/2020

Next Scheduled EDR Contact: 11/02/2020

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: 04/29/2020

Date Data Arrived at EDR: 05/20/2020

Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA Region 1

Telephone: 617-918-1313

Last EDR Contact: 07/24/2020

Next Scheduled EDR Contact: 11/02/2020

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: 04/14/2020

Date Data Arrived at EDR: 05/20/2020

Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA, Region 5

Telephone: 312-886-7439

Last EDR Contact: 07/24/2020

Next Scheduled EDR Contact: 11/02/2020

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: 04/14/2020

Date Data Arrived at EDR: 05/26/2020

Date Made Active in Reports: 08/12/2020

Number of Days to Update: 78

Source: EPA Region 4

Telephone: 404-562-8677

Last EDR Contact: 07/24/2020

Next Scheduled EDR Contact: 11/02/2020

Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020

Date Data Arrived at EDR: 05/20/2020

Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA Region 6

Telephone: 214-665-6597

Last EDR Contact: 07/24/2020

Next Scheduled EDR Contact: 11/02/2020

Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020

Date Data Arrived at EDR: 05/20/2020

Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA Region 8

Telephone: 303-312-6271

Last EDR Contact: 07/24/2020

Next Scheduled EDR Contact: 11/02/2020

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/19/2020
	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: 06/02/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/09/2020	Telephone: 573-751-0135
Date Made Active in Reports: 08/21/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

Date of Government Version: 03/03/2020	Source: Department of Agriculture
Date Data Arrived at EDR: 03/05/2020	Telephone: 573-751-7062
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/14/2020
	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: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 9
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3368
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/01/2020
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	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: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/03/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	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: 05/05/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/13/2020	Telephone: 573-751-3176
Date Made Active in Reports: 07/28/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

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: 06/17/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 05/05/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/13/2020	Telephone: 573-526-8913
Date Made Active in Reports: 07/28/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Quarterly

State and tribal Brownfields 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: 05/05/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/13/2020	Telephone: 573-526-8913
Date Made Active in Reports: 07/28/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/23/2020
	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: 06/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/02/2020	Telephone: 202-566-2777
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 7	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 02/06/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 02/06/2020	Telephone: 573-526-3944
Date Made Active in Reports: 04/20/2020	Last EDR Contact: 08/11/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

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

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: 07/21/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/14/2020
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/02/2020
	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: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
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: 04/20/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/21/2020
Number of Days to Update: 73

Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
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: 09/24/2019
Date Data Arrived at EDR: 09/27/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/29/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/03/2020	Telephone: 202-564-6023
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 08/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	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: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	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: 04/20/2020	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/09/2020	Telephone: 573-526-3349
Date Made Active in Reports: 08/21/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/21/2020
	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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: 913-551-7003
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/13/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/18/2020	Telephone: 202-528-4285
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 08/13/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/19/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/05/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-566-1917
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 09/28/2020
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
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/30/2020
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: 03/01/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/15/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/31/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/13/2020	Telephone: 202-564-8600
Date Made Active in Reports: 08/03/2020	Last EDR Contact: 07/15/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/02/2020
	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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 08/03/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/16/2020
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	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: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: 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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2020
Next Scheduled EDR Contact: 09/14/2020
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
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
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.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
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: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/07/2020
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: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 08/26/2020
Next Scheduled EDR Contact: 12/14/2020
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: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 08/26/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 04/04/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
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: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 76

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/07/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/23/2020
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
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: 04/06/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 06/29/2020
Number of Days to Update: 82

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
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: 06/24/2020
Next Scheduled EDR Contact: 01/12/2020
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: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 03/19/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/08/2020
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 08/26/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Annually

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: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 74

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 06/05/2020
Next Scheduled EDR Contact: 09/14/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/15/2019
Number of Days to Update: 28

Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 07/17/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 03/30/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 06/19/2020
Number of Days to Update: 79

Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
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: 07/16/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 51

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
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: 04/01/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Department of Natural Resources
Telephone: 573-751-3043
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
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: 11/17/2019
Date Data Arrived at EDR: 02/21/2020
Date Made Active in Reports: 04/30/2020
Number of Days to Update: 69

Source: Department of Natural Resources
Telephone: 573-368-2183
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Semi-Annually

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: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
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: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 07/09/2020
Number of Days to Update: 120	Next Scheduled EDR Contact: 10/19/2020
	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	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 06/08/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/21/2020
	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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

EDR Hist Cleaner: EDR Exclusive 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.

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 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

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: 05/12/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
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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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

277 HIGHWAY 64
277 HIGHWAY 64
LOUISBURG, MO 65685

TARGET PROPERTY COORDINATES

Latitude (North):	37.758128 - 37° 45' 29.26"
Longitude (West):	93.139635 - 93° 8' 22.69"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	487700.0
UTM Y (Meters):	4178783.5
Elevation:	1173 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6726485 URBANA, MO
Version Date:	2015
Northeast Map:	6726483 TUNAS, MO
Version Date:	2015
Southeast Map:	6726495 BUFFALO, MO
Version Date:	2015
Southwest Map:	6726421 BUFFALO NW, MO
Version Date:	2015

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

Assessment of the impact of contaminant migration generally has two 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).

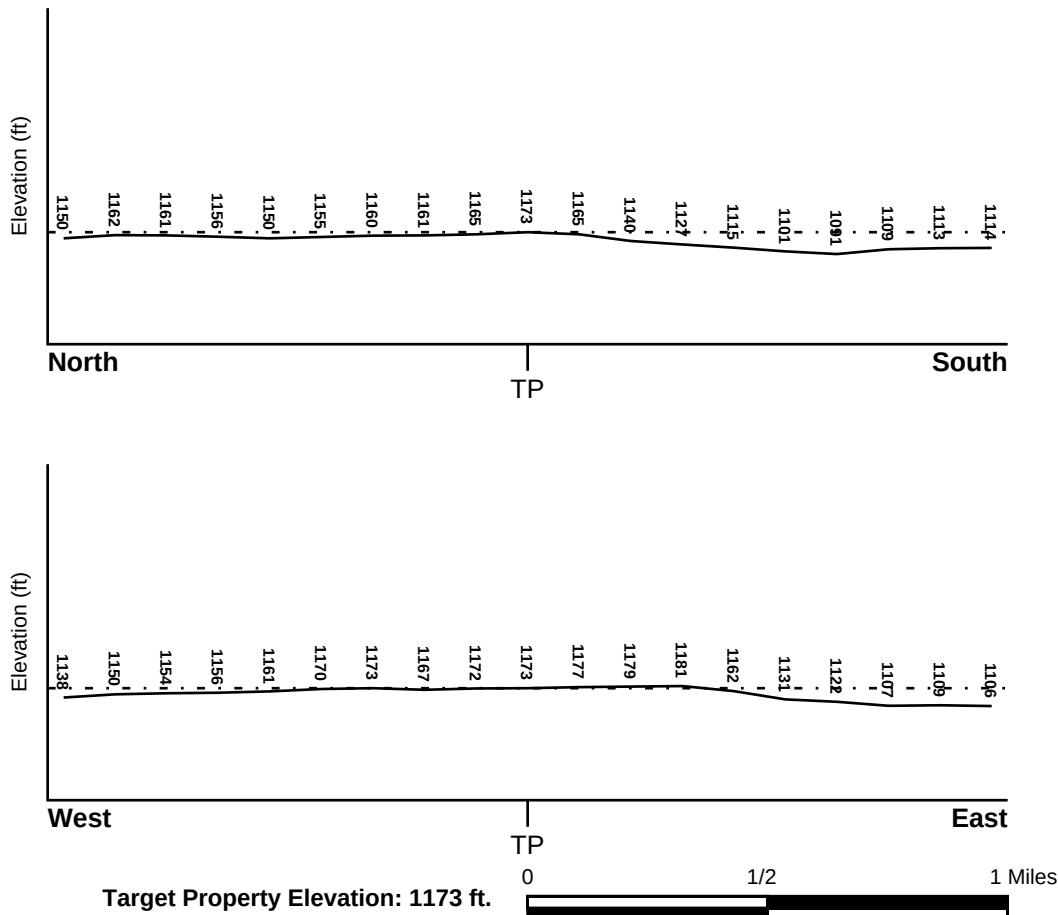
TOPOGRAPHIC INFORMATION

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 SSW

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>
29059C0125B	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
29059C0150B	FEMA FIRM Flood data
29059C0225B	FEMA FIRM Flood data
29059C0250B	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

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

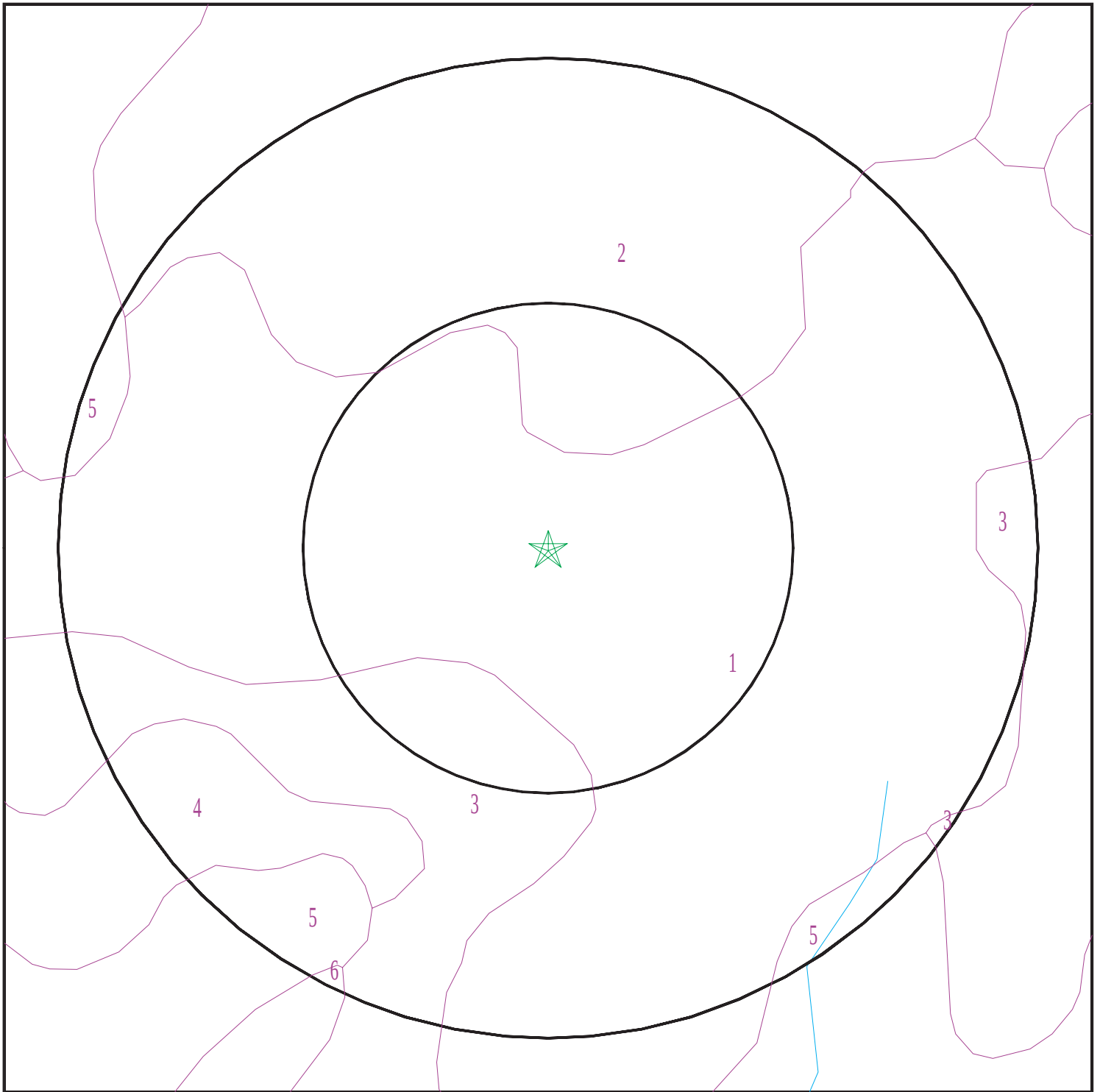
Era:	Paleozoic
System:	Ordovician
Series:	Lower Ordovician (Canadian)
Code:	O1b (<i>decoded above as Era, System & Series</i>)

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 - 6175999.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: 277 Highway 64
ADDRESS: 277 Highway 64
Louisburg MO 65685
LAT/LONG: 37.758128 / 93.139635

CLIENT: SCI Engineering, Inc.
CONTACT: Heather Martin
INQUIRY #: 6175999.2s
DATE: September 08, 2020 10:13 am

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: Hoberg

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 6 Min: 3.6
2	16 inches	24 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 6 Min: 3.6
3	24 inches	48 inches	very gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 6 Min: 3.6
4	48 inches	59 inches	very gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Gerald

Soil Surface Texture: silt loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
2	9 inches	27 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
3	27 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
4	38 inches	50 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
5	50 inches	59 inches	extremely gravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Eldon

Soil Surface Texture: gravelly silt loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
2	9 inches	18 inches	very gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
3	18 inches	55 inches	very gravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
4	55 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4	Max: 7.8 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Viraton

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: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.3 Min: 4.5
2	9 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.3 Min: 4.5
3	25 inches	53 inches	very gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.3 Min: 4.5
4	53 inches	59 inches	extremely gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.3 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Sampsel

Soil Surface Texture: silt 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: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 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	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.6
2	5 inches	70 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.6

Soil Map ID: 6

Soil Component Name: Ocie

Soil Surface Texture: gravelly 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: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 64 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	3 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
2	3 inches	25 inches	very gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
3	25 inches	38 inches	very gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
4	38 inches	53 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.11 Min: 0	Max: Min:
5	53 inches	68 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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>
7	USGS40000690658	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

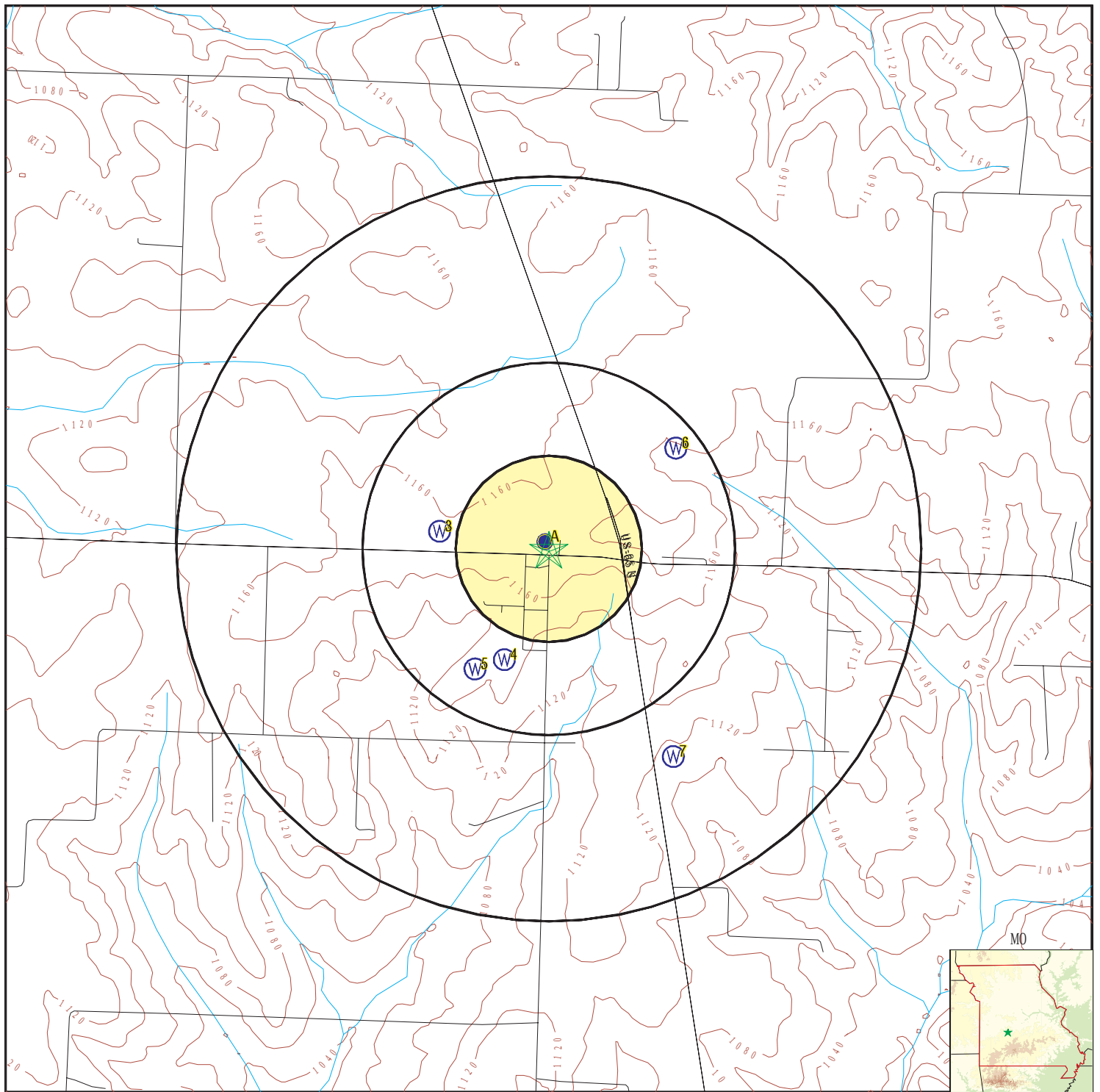
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	MO5011068	0 - 1/8 Mile NE

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	MO7000000001812	0 - 1/8 Mile WNW
3	MOLOG1000008843	1/4 - 1/2 Mile West
4	MO7000000001814	1/4 - 1/2 Mile SSW
5	MOLOG1000008808	1/4 - 1/2 Mile SSW
6	MOLOG1000008870	1/4 - 1/2 Mile NE

PHYSICAL SETTING SOURCE MAP - 6175999.2s



- 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: 277 Highway 64
 ADDRESS: 277 Highway 64
 Louisburg MO 65685
 LAT/LONG: 37.758128 / 93.139635

CLIENT: SCI Engineering, Inc.
 CONTACT: Heather Martin
 INQUIRY #: 6175999.2s
 DATE: September 08, 2020 10:13 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NE
0 - 1/8 Mile
Higher

FRDS PWS MO5011068

Epa region: 07
Pwsid: MO5011068
Cityserved: Not Reported
Ziperved: Not Reported
Status: Active
Pwssvconn: 62
Pwstype: CWS
Contact: HENDRICKS, TERRY
Contactphone: 417-993-0023
Contactaddress2: PO BOX 6
Contactstate: MO
Pwsactivitycode: A

State: MO
Pwsname: LOUISBURG
Stateserved: MO
Fipscounty: 29059
Retpopsrvd: 122
Psource longname: Groundwater
Owner: Local_Govt
Contactorgname: HENDRICKS, TERRY
Contactaddress1: 2434 US HWY 65
Contactcity: LOUISBURG
Contactzip: 65685-0000

Pwsid: MO5011068
Facname: WELL # 1 - WELLHOUSE RD
Facactivitycode: A
Trtprocess: hypochlorination, post

Facid: 71742
Factype: Treatment_plant
Trtobjective: disinfection
Factypecode: TP

Pwsid: MO5011068
Facname: WELL # 1 - WELLHOUSE RD
Facactivitycode: A
Trtprocess: sequestration

Facid: 71742
Factype: Treatment_plant
Trtobjective: iron removal
Factypecode: TP

PWS ID: MO5011068
Address: P.O. BOX 6
City: LOUISBURG
Zip: 65685
Source code: Ground water

PWS name: LOUISBURG
Care of: Not Reported
State: MO
Owner: LOUISBURG
Population: 157

PWS ID: MO5011068
PWS name: Not Reported
PWS city: Not Reported
PWS zip: Not Reported
PWS type code: C
Contact: KUECK, BILL
Contact address: PO BOX 6
Contact state: MO
Contact telephone: Not Reported

PWS type: Not Reported
PWS address: Not Reported
PWS state: Not Reported
PWS name: LOUISBURG
Retail population served: 157
Contact address: VILLAGE OF LOUISBURG
Contact city: LOUISBURG
Contact zip: 65685-0000

PWS ID: MO5011068
Date system activated: 9101
Retail population: 00000157
System address: Not Reported
System city: LOUISBURG
System zip: 65685

Activity status: Active
Date system deactivated: Not Reported
System name: LOUISBURG
System address: P.O. BOX 6
System state: MO

County FIPS: Not Reported

City served: LOUISBURG

Population served: 101 - 500 Persons

Treatment: Untreated

Latitude: 374530

Longitude: 0930821

State: MO
Latitude minutes: 45
Longitude degrees: 93

Latitude degrees: 37
Latitude seconds: 30.0000
Longitude minutes: 8

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude seconds: 21.0000

Violation id: 1213902
 State: MO
 Contamination code: 3100
 Violation code: 23
 Rule code: 110
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: 06/30/2002

Orig code: S
 Violation Year: 2002
 Contamination Name: Coliform (TCR)
 Violation name: Monitoring, Routine Major (TCR)
 Rule name: TCR
 Unit of measure: Not Reported
 Cmp bdt: 06/01/2002

Violation id: 1214204
 State: MO
 Contamination code: 7000
 Violation code: 71
 Rule code: 420
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: Not Reported

Orig code: S
 Violation Year: 2003
 Contamination Name: Consumer Confidence Rule
 Violation name: CCR Complete Failure to Report
 Rule name: CCR
 Unit of measure: Not Reported
 Cmp bdt: 07/01/2003

Violation id: 1214505
 State: MO
 Contamination code: 7000
 Violation code: 71
 Rule code: 420
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: Not Reported

Orig code: S
 Violation Year: 2004
 Contamination Name: Consumer Confidence Rule
 Violation name: CCR Complete Failure to Report
 Rule name: CCR
 Unit of measure: Not Reported
 Cmp bdt: 07/01/2004

Violation id: 1214809
 State: MO
 Contamination code: 3100
 Violation code: 24
 Rule code: 110
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: 03/31/2009

Orig code: S
 Violation Year: 2009
 Contamination Name: Coliform (TCR)
 Violation name: Monitoring, Routine Minor (TCR)
 Rule name: TCR
 Unit of measure: Not Reported
 Cmp bdt: 03/01/2009

Violation id: 1214810
 State: MO
 Contamination code: 3100
 Violation code: 23
 Rule code: 110
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: 09/30/2009

Orig code: S
 Violation Year: 2009
 Contamination Name: Coliform (TCR)
 Violation name: Monitoring, Routine Major (TCR)
 Rule name: TCR
 Unit of measure: Not Reported
 Cmp bdt: 09/01/2009

Violation id: 1214813
 State: MO
 Contamination code: 3100
 Violation code: 23
 Rule code: 110
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: 02/29/2012

Orig code: S
 Violation Year: 2012
 Contamination Name: Coliform (TCR)
 Violation name: Monitoring, Routine Major (TCR)
 Rule name: TCR
 Unit of measure: Not Reported
 Cmp bdt: 02/01/2012

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406162
 PWS telephone: Not Reported
 Violation type: Monitoring, Regular
 Violation end date: 123193

Violation source ID: Not Reported
 Contaminant: TRANS-1,3-DICHLOROPROPENE
 Violation start date: 010193
 Violation period (months): 012

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406161
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: P-CHLOROTOLUENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406160
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: O-CHLOROTOLUENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406159
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: M-DICHLOROBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406158
PWS telephone: Not Reported
Contaminant: METHYLENE CHLORIDE (DICHLOROMETHANE)
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406157
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: DIBROMOMETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9406156	Violation source ID:	Not Reported
PWS telephone:	Not Reported		
Contaminant:	DIBROMOCHLOROMETHANE (CHLORODIBROMOMETHANE)		
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406155	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	CIS-1,3-DICHLOROPROPENE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406154	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	METHYLCHLORIDE (CHLOROEMETHANE)
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406153	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	CHLOROFORM
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406152	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	CHLOROETHANE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406151	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	BROMOMETHANE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406150	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	BROMOFORM
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406149	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	BROMODICHLOROMETHANE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406148	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	BROMOBENZENE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406147	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	2,2-DICHLOROPROPANE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406146	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	1,3-DICHLOROPROPANE
Violation type:	Monitoring, Regular	Violation start date:	010193
Violation end date:	123193	Violation period (months):	012
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9406145	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	1,2,4-TRICHLOROBENZENE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406144
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,2,3-TRICHLOROPROPANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406143
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1-DICHLOROPROPENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406142
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1-DICHLOROETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406141
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1,2-TRICHLOROETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406140
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1,2,2-TETRACHLOROETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406139
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1,1,2-TETRACHLOROETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406138
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: XYLENES, TOTAL
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406137
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: VINYL CHLORIDE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406136
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: TRICHLOROETHYLENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406135
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: TRANS-1,2-DICHLOROETHYLENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406134
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported

Violation source ID: Not Reported
Contaminant: TOLUENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406133
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: TETRACHLOROETHYLENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406132
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: STYRENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406131
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: P-DICHLOROBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406130
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: O-DICHLOROBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406129
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: ETHYLBENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406128

Violation source ID: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Contaminant: MONOCHLORO BENZENE (CHLOROBENZENE)
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406127
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: CIS-1,2-DICHLOROETHYLENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406126
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: CARBON TETRACHLORIDE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406125
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: BENZENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406124
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,2-DICHLOROPROPANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement: Yes

Violation ID: 9406123
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,2-DICHLOROETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406122
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1-DICHLOROETHYLENE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9406121
PWS telephone: Not Reported
Violation type: Monitoring, Regular
Violation end date: 123193
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: 000
Analysis result: Not Reported

Violation source ID: Not Reported
Contaminant: 1,1,1-TRICHLOROETHANE
Violation start date: 010193
Violation period (months): 012
Major violator: Yes
Number of required samples: Not Reported
Analysis method: Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID: 9401110
PWS telephone: Not Reported
Violation type: Max Contaminant Level, Monthly (TCR)
Violation start date: 110193
Violation period (months): 001
Major violator: Not Reported
Number of required samples: Not Reported
Analysis method: Not Reported

Violation source ID: Not Reported
Contaminant: COLIFORM (TCR)
Violation end date: 113093
Violation awareness date: Not Reported
Maximum contaminant level: Not Reported
Number of samples taken: Not Reported
Analysis result: Not Reported

Violation ID: 1017695
Enforcement FY: 2011
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 05/11/2011
Enforcement Category: Resolving

Violation ID: 1017695
Enforcement FY: 2014
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 01/22/2014
Enforcement Category: Resolving

Violation ID: 111094
Enforcement FY: 2011
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 05/11/2011
Enforcement Category: Resolving

Violation ID: 1114095
Enforcement FY: 2014
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 01/22/2014
Enforcement Category: Resolving

Violation ID: 1114095
Enforcement FY: 2011
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 05/11/2011
Enforcement Category: Resolving

Violation ID: 1213795
Enforcement FY: 2014
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 01/22/2014
Enforcement Category: Resolving

Violation ID: 1213795
Enforcement FY: 2011
Enforcement Detail: St Compliance achieved

Orig Code: S
Enforcement Action: 05/11/2011
Enforcement Category: Resolving

Violation ID: 1213902

Orig Code: S

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcemnt FY:	2002	Enforcement Action:	07/31/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1213902	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	01/22/2014
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1213902	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	09/04/2002
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1213902	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/31/2002
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1214204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/25/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1214505	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	06/10/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1214809	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	04/24/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1214809	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	04/24/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1214809	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	01/22/2014
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1214809	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	07/26/2010
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1214810	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/27/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1214810	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	01/22/2014
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1214810	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/27/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1214810	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	12/10/2009
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1214813	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	04/26/2012
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	1214813	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	03/14/2012
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1214813	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	03/14/2012
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1214813	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	01/22/2014
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612194	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612294	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612394	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612494	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612594	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612694	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612794	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612894	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	612994	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613094	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613194	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613294	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613394	Orig Code:	S

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613494	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613594	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613694	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613794	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613894	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	613994	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614094	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614194	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614294	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614394	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614494	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614594	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614694	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614794	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	614894	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	614994	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615094	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615194	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615294	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615394	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615494	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615694	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615794	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615894	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	615994	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	616094	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	616194	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	616294	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	05/11/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
PWS name:	LOUISBURG	Population served:	157
PWS type code:	C	Violation ID:	1213902
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	6/1/2002 0:00:00	Compliance end date:	6/30/2002 0:00:00
Enforcement date:	7/31/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	LOUISBURG	Population served:	157
PWS type code:	C	Violation ID:	1213902
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Compliance start date:	6/1/2002 0:00:00	Compliance end date:	6/30/2002 0:00:00
Enforcement date:	7/31/2002 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	LOUISBURG	Population served:	157
PWS type code:	C	Violation ID:	1213902
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	6/1/2002 0:00:00	Compliance end date:	6/30/2002 0:00:00
Enforcement date:	9/4/2002 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	LOUISBURG	Population served:	157
PWS type code:	C	Violation ID:	1214204
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2003 0:00:00	Compliance end date:	2/25/2004 0:00:00
Enforcement date:	2/25/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	LOUISBURG	Population served:	157
PWS type code:	C	Violation ID:	1214505
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2004 0:00:00	Compliance end date:	6/10/2005 0:00:00
Enforcement date:	6/10/2005 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

A2
WNW
0 - 1/8 Mile
Lower

MO WELLS MO7000000001812

Database:	Missouri Public Drinking Water Wells		
DGLS ID:	100501	LOGMAIN ID:	Not Reported
Well Certification #:	Not Reported	PWSS Name:	Louisburg
PWSS ID:	5011068	IPWS ID:	MO5011068
Well #:	1	Local Name:	Well #1
Well ID:	14774	Facility Type:	City
Federal Water System Type:	Community	Status:	Active
Drill Date:	1991	Abandoned:	0
Plugged:	0	Material Type:	Consolidated
Formation at Casing Depth:	Gasconade	Formation at Total Depth:	Eminence
Total Depth:	905	Ground Elevation:	1176
Top Seal Type:	Not Reported	Bottom Seal Type:	Not Reported
Casing Depth:	410	Casing Diameter:	8
Casing Type:	Steel	Casing Elevation:	0
Casing Height:	0	Outer Well Casing Depth:	0
Outer Casing Diameter:	0	Screen Length (ft):	-9999
Screen Size (in):	-9999	Depth to Static Water Level:	140
Max Yield (gal/min):	255	Dynamic Head of Pump:	0
Drawdown:	0	Year of Pump Test:	0
Pump Type:	Not Reported	Pump Manufacturer:	Jacuzzi
Pump Depth:	410	Pump Capacity:	160
Has Pump Meter:	Not Reported	Has Stand-by Power:	Not Reported
VOC detections:	N	Nitrates Detected:	N
Chlorination Used:	N	Filtration Used:	N
GWUDISW:	N	Meets Construction Requirements:	Y
Surface Drainage:	Not Reported	Water System Entry Point ID:	Y
SWIP Wellhead Status:	Verified		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

3

West
1/4 - 1/2 Mile
Lower

MO WELLS MOLOG1000008843

Database: Geologic Well Log Database
Elevation: 1167

ID: 007227
Static Water Level: 44

4

SSW
1/4 - 1/2 Mile
Lower

MO WELLS MO7000000001814

Database:	Missouri Public Drinking Water Wells		
DGLS ID:	100503	LOGMAIN ID:	0027086
Well Certification #:	Not Reported		
PWSS Name:	Dallas County Area Voc School		
PWSS ID:	5171282	IPWS ID:	MO5171282
Well #:	1	Local Name:	Well #1
Well ID:	14830	Facility Type:	School
Federal Water System Type:	Non-Public	Status:	Inactive
Drill Date:	1972	Abandoned:	0
Plugged:	0	Material Type:	Consolidated
Formation at Casing Depth:	Gasconade	Formation at Total Depth:	Eminence
Total Depth:	800	Ground Elevation:	0
Top Seal Type:	Not Reported	Bottom Seal Type:	Not Reported
Casing Depth:	340	Casing Diameter:	6
Casing Type:	Steel	Casing Elevation:	0
Casing Height:	2	Outer Well Casing Depth:	0
Outer Casing Diameter:	0	Screen Length (ft):	-9999
Screen Size (in):	-9999	Depth to Static Water Level:	72
Max Yield (gal/min):	0	Dynamic Head of Pump:	0
Drawdown:	0	Year of Pump Test:	0
Pump Type:	Submersible	Pump Manufacturer:	Not Reported
Pump Depth:	500	Pump Capacity:	0
Has Pump Meter:	Not Reported	Has Stand-by Power:	N
VOC detections:	N	Nitrates Detected:	N
Chlorination Used:	N	Filtration Used:	N
GWUDISW:	N	Meets Construction Requirements:	Y
Surface Drainage:	In Well House	Water System Entry Point ID:	Y
SWIP Wellhead Status:	Verified		

5

SSW
1/4 - 1/2 Mile
Lower

MO WELLS MOLOG1000008808

Database: Geologic Well Log Database
Elevation: 1151

ID: 027086
Static Water Level: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6
NE
1/4 - 1/2 Mile
Lower

MO WELLS **MOLOG1000008870**

Database: Geologic Well Log Database
Elevation: 1157

ID: 004309
Static Water Level: 0

7
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000690658**

Organization ID: USGS-MO
Monitor Location: T35N R20W 28DAB1
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Ozark Plateaus aquifer system
Formation Type: Canadian Series
Construction Date: 19280101
Well Depth Units: ft
Well Hole Depth Units: ft

Organization Name: USGS Missouri Water Science Center
Type: Well
HUC: 10290107
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Aquifer Type: Confined multiple aquifer
Well Depth: 380
Well Hole Depth: 380

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for DALLAS County: 2

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 DALLAS COUNTY, MO

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.300 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data 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 H



SCI ENGINEERING, INC.

Britta M. Moyer
Staff Engineer



Education

B.S., Environmental Engineering,
Missouri University of Science and
Technology (S&T), 2018

Certifications

HAZWOPER 40 Hour

Britta provides a variety of environmental consulting services for the Environmental Services Group, including Phase One and Phase Two Environmental Site Assessments (ESA), and environmental supervision for various operations. Phase One ESAs for property transactions involve industrial, commercial and residential properties throughout the Midwest. Her list of responsibilities includes: environmental field inspections; historic research of site usage; potential contamination identification; interpretation of analytical results; and extensive technical report writing. Phase Two limited subsurface investigations and risk assessment activities include coordinating drilling operations, installing soil borings and monitoring wells, soil and groundwater sampling, analytical analysis, comparing analytical results to state specific cleanup guidelines, report preparation, and mapping and modeling activities.

Project Experience

Commercial

QuikTrip [Missouri]

Performed BMP inspections on 18 QuikTrip stores in and around the St. Louis area.

Rain for Rent Expansion [Pontoon Beach, IL]

Obtained soil samples for a Limited Phase Two ESA to determine the presence of impact on fill on site.

Oil, Gas, and Energy

Prairie State Generating Company [Marissa, IL]

Engineering technician for environmental services for coal fire power plant and coal mine. Services included groundwater monitoring, pollution control initiatives, environmental program management for ground water monitoring and storm retention pond oversight. Also implemented sustainability initiative for monarch butterfly population enhancement program to evaluate existing milkweed presence and develop expansion plan for additional, non-invasive milkweed species growth.

Phillips 66 Oil Refinery [Roxana, IL]

Environmental engineering designer of Spill Prevention, Control and Countermeasure plan for oil refinery to help prevent facility oil discharge in navigable waters and assist the company meet federal code regulations.

Transportation

1112 Highway T [Foristell, MO]

Conducted an environmental site assessment to document current site conditions. Produced a Phase One ESA report, which included a review of historical information related to the subject site as well as determinations about current historic uses of the site as they relate to potential Recognized Environmental Conditions

12551 Raymond Drive [St. Charles, MO]

Conducted an environmental site assessment to document current site conditions. Produced a Phase One ESA report, which included a review of historical information related to the subject site as well as determinations about current historic uses of the site as they relate to potential Recognized Environmental Conditions

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5 Caine Drive [Madison, IL]

Staff Engineer for Limited Phase Two ESA. Performed well sampling to evaluate for the presence of wide-spread impact to the soil and groundwater on site.

Great Rivers Greenway - Environmental Services [Webster Groves, MO]

Conducted an environmental site assessment to document current site conditions. Produced a Phase One ESA report, which included a review of historical information related to the subject site as well as determinations about current historic uses of the site as they relate to potential Recognized Environmental Conditions

Government-Federal

Norfolk Southern Federal Yard [Alton, IL]

Staff Engineer for the disposal of stockpiled material at the Norfolk Southern rail yard. Coordinated with client and observed separation of debris piles.

Government-Municipal

City of Grafton [Grafton, IL]

Civil engineering technician for evaluation and design for a new ADA compliant sidewalk and associated ramps.

Wood River Waste Water Treatment Plant [Wood River, IL]

Developed a Capacity Management Operation and Maintenance (CMOM) plan for the city's waste water treatment plant for permitting purposes.

Misc.

Resurrection Cemetery Site [St. Louis, MO]

Conducted an environmental site assessment to document current site conditions. Produced a Phase One ESA report, which included a review of historical information related to the subject site as well as determinations about current historic uses of the site as they relate to potential Recognized Environmental Conditions



SCI ENGINEERING, INC.

Benjamin K. Butterfield, CHMM Project Scientist



Education

M.S., Environmental Science,
Taylor University, 2011

B.S., Environmental Science,
Taylor University, 2010

Registrations & Certifications

Asbestos Inspector-Missouri

OSHA 10-Hour Safety and Health

OSHA 40-Hour Hazardous Waste
Operations and Emergency
Response (HAZWOPER)

OSHA 8-Hour Hazardous Waste
Operations and Emergency
Response (HAZWOPER)
Supervisor

Certified Remote Airman

Missouri Well Drillers and/or Pump
Installers

Ben joined SCI Engineering, Inc. (SCI) in June 2011 to conduct Phase One Environmental Site Assessments (Phase One ESA), Phase Two Environmental Site Assessments (Phase Two ESA), asbestos inspections, Underground Storage Tank (UST) closure activities, and wastewater sampling. His previous experience includes serving as a Research Intern for Taylor University's Environmental Sciences Department. In this capacity, he collected data on a groundwater table monitoring project and a hardwoods reforestation project.

Project Experience

Education

De La Salle Middle School [St. Louis, MO]

SCI Engineering, Inc. (SCI) provided environmental consulting services for the construction of the De La Salle Middle School in St. Louis, Missouri. SCI performed a Phase One ESA, a limited Phase Two ESA, Water Sampling from water fountains and sinks, and a Lead Based Paint survey on the site.

Althoff Catholic [Belleville, IL]

Performed a Transaction Screen Process (TSP0) of a 26 1/2 acre tract of the Althoff school property. SCI performed site reconnaissance, above and underground storage tank survey as well as a polychlorinated biphenyl survey. Results of the survey concluded that no further investigation was warranted for the site.

LaGrange School [Lagrange, MO]

Performed a phase one environmental site assessment on the LaGrange School property. Phase one activities consisted of historical and public records research, historical review, interviews and a reconnaissance survey. Based on the activities, SCI identified no evidence of REC's in connection with the site.

Residential

Magnolia Homes/Cedar Terrace [Galveston, TX]

Conducted monitoring well installation and sampling as well as oversight activities associated with urban redevelopment on Galveston Island.

Commercial/Retail

Menards Richmond Heights [Richmond Heights, MO]

Conducted a Phase One ESA on a site which included various commercial properties, a highway department facility, and numerous residences. Also completed asbestos inspections of the structures. Made recommendations for Phase Two investigations relating to various environmental concerns noted on the site.

QuikTrip 06-0651 [St. Louis, MO]

SCI performed a Phase One and Phase Two ESA, Asbestos and Universal Waste/Hazardous Materials Surveys at the proposed location of the QuikTrip No. 06-0651 in St. Louis, Missouri. The site was approximately 3.25 acres and was operating as Holy Trinity Lutheran Church. Following the asbestos survey, SCI performed asbestos abatement activities, including all permitting, and air monitoring and oversight activities. A close out report documenting the proper abatement was submitted at project completion.

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Urban Redevelopment

Poindexter Place Redevelopment Project (Phase 2A, 2B, 3)

[Columbus, OH]

SCI performed environmental services during the redevelopment of approximately seven blocks in Columbus, Ohio. These projects included HUD compliant Phase and Phase Two ESAs as well as delineation sampling to identify the area of impact. SCI developed project specifications and drawings for site preparation. SCI performed project oversight for the implementation of the remedial activities.

Crossroads Apartments [Kansas City, MO]

Conducted installation and sampling of several monitoring wells, geo-probe borings, and soil vapor wells on the site and surrounding right of ways for the purposes of delineation and further characterization of a volatile organic compound (VOC) plume associated with the past use of the site as a commercial drycleaner. Using the data collected from site investigations, developed recommendations for additional work as well as a groundwater gradient map.

City Foundry/Century Electric/Federal Mogul [St. Louis, MO]

SCI provided environmental consulting services for the redevelopment of the Century Electric/Federal Mogul foundry site along Forest Park Avenue in St. Louis, Missouri. When completed, this urban renewal project will provide a mixed-use property that offers a significant economic benefit to St. Louis' central corridor. The project will include the renovation of the existing foundry structure in a multi-use commercial structure, hosting a combination of food vendors, offices, and entertainment tenants. SCI performed Phase One and Phase Two Environmental Site Assessments, asbestos and heavy metal-based paint surveys, asbestos abatement third-party air monitoring and oversight, remediation and demolition oversight, and project management services. Additionally, the subject site was enrolled in the Missouri Department of Natural Resources (MDNR) Brownfields Voluntary Cleanup Program (BVCP). SCI acted as liaison and technical consultant on the project. The project was awarded brownfields tax credits from the Missouri Department of Economic Development. As such, SCI's oversight and project management activities were conducted in such a way that site operations met the requirements of the MDNR BVCP-approved Remedial Action Plan (RAP) for the site, allowing for maximum tax-credit reimbursement.

Healthcare

Ascension Medical Facilities [Illinois]

Provided Phase One Environmental Site Assessments (Phase One ESAs) for 31 medical facilities in Illinois and Indiana. Phase One Environmental Site Assessment Practice were used to conduct the Phase One ESAs. The reports were requested due to the acquisition of the properties as part of any overall company merger. RECs were identified at many of the facilities which included multiple current and historic USTs, an identified mercury spill, and historic uses of the site and surrounding areas by drycleaners and gasoline stations. Following the completion of the Phase One ESAs, Limited Phase Two Environmental Site Assessments (Phase Two ESAs) were conducted at five of the facilities.

Industrial and Manufacturing

Proposed Steelcote Development [St. Louis City, MO]

SCI has performed several environmental investigations at the Steelcote Manufacturing facility, which was formerly utilized for the production of various paints, lacquers, and coatings. A Phase One ESA was also prepared for the south-adjacent property, which historically hosted the Columbia Oil Co. Both parcels comprise the proposed re-development. Past site operations included the use and storage of various petroleum products and hazardous materials. Above and underground storage tanks (ASTs/USTs) were formerly present on the site. Environmental investigations include Phase One ESAs, a HUD Phase One ESA, a Phase Two ESA, Asbestos Survey, Lead-Based Paint Survey, and BVCP Liaison activities.



SCI ENGINEERING, INC.

Benjamin K. Butterfield, CHMM

Project Scientist
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Morganford Properties [St. Louis, MO]

Conducted Phase One and Phase Two Environmental site assessments on a former manufacturing facility, as well as an asbestos survey of portions of the site set for demolition. Assisted in project planning and development of the demolition and redevelopment scope of work. Conducted oversight of impacted soil removal activities.

West Pine – C.B. 3920 [St. Louis, MO]

Conducted a Phase One ESA and subsequent Phase Two on former industrial warehouse/ manufacturing facility. Phase Two consisted of borings on interior portions of the on-site structure, as well as soil and groundwater sampling. Enrolled the site in the Missouri Department of Natural Resources (MDNR) Brownfields Voluntary Cleanup Program (BVCP) and managed the site from beginning to issuance of the certificate of completion.

Transportation

South 17th Street Right-of-Way [Belleville, IL]

Performed a lead-impacted soil remediation project for the City of Belleville in St. Clair County, Illinois. This project consisted of RCRA Corrective Action activities performed in conjunction with a roadway construction Project. Completed the following activities as part of this project: - Initial site investigation that identified RCRA hazardous levels of lead impact within the ballast material of a former rail-bed - Delineation assessment of the impacted materials including a waste assessment which identified the type of waste located in each area of the project (hazardous vs. non-special) - Prepared a soil management and remedial construction strategies for the project. - Coordinated with the IEPA to allow reuse of non-special waste materials under the IEPA's Area of Contamination Policy - Conducted on-site soil treatment with lead stabilization compounds to ensure that no RCRA hazardous material would be reused on the subject site - Prepared Health & Safety plans and conducted H&S monitoring during construction activities This project has involved extensive communication and cooperation with the IEPA, local municipalities, contractors, highway authorities and roadway design engineers.

Government-Federal

National Geospatial Intelligence Agency Site [St. Louis, MO]

As project manager, conducted a Phase One and a Phase Two Environmental Site Assessment on a large site in North St. Louis City. Phase One activities consisted of review of historical documentation, interviews with owners/occupants, regulatory database review, and a site visit. Phase Two activities included the advancement of sixty-seven geo-probe borings and 13,300 linear feet of trenching. A ground-penetrating radar survey was also conducted to screen for potential underground storage tanks. The findings of these assessment activities were utilized to develop the remediation strategy for the project.